

ITS_{oil}

GASOLINE ENGINE OILS



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ITS FS 0W/30 FULL SYNTHETIC

FEATURES & USES AREA

It is an all year multigrade full synthetic motor oil with low viscosity and high stability. It inhibits deposit formation, reduces friction losses and protects against wear, creates better engine performance for modern, and old engines. Most advanced motor oil of new generation, providing superior and long-lasting engine protection, especially for stop and go city traffic use.

PERFORMANCE LEVELS : API SL/CF-ACEA A3/B3- A3/B4-VW 502.00/503.01/505.00-MB 229.3/229.5- GM-LL-A-025/GM-LL-B-025

TECHNICAL INFORMATIONS

Kinematic Viscosity 100°C (cSt)

9,3 – 12,6

Viscosity Index (min)

150

Flash Point (min) (°C)

200

Pour Point (max) (°C)

-36

ITS FS 0W/40 FULL SYNTHETIC

It is an all year multigrade motor oil with low viscosity and high stability. It inhibits deposit formation, reduces friction losses and protects against wear, creates better engine performance for modern, and old engines. Most advanced motor oil of new generation, providing superior and longlasting engine protection, especially for stop and go city traffic use.

PERFORMANCE LEVELS: API SL/CF -ACEA A3/B3,-A3/B4 VW 502.00/503.01/505.00 -MB 229.3/229.5

12,5 - 12,6

160

200

-36

ITS FS 5W/30 SEMI SYNTHETIC

Semi synthetic motor oil and has been formulated with high-quality synthetic base oils and advanced additive technology. In all weather and road conditions, provides unique engine protection with high viscosity index. Satisfies all the requirements of gasoline, diesel and LPG passenger cars and vans. Shows excellent performance in all seasons.

PERFORMANCE LEVELS : API SL/CF -ACEA A3-99,B3-98 ISSUE 2- Daimler/Chrysler 229.1- Volkswagen 500.00/505.00 (1/97)

9,3 – 12,6

140

200

-33

GASOLINE ENGINE OILS

GASOLINE ENGINE OILS

ITS ULTRA SS 5W/40 SEMI SYNTHETIC

ITS PREMIUM SS 10W/30 SEMI SYNTHETIC

ITS PREMIUM SS 10W/40 SEMI SYNTHETIC

FEATURES & USES AREA

Semi synthetic motor oil developed by formulation of superior quality synthetic additives and base oils. It is produced especially for the requirements of modern cars generating high power. It keeps the engine clean by reducing deposit and ash formation, It prevents the pressure losses and prolongs the engine's lifetime. It provides economization by decreasing the oil and fuel consumption. It can be used in all vehicles with naturally aspirated and turbo-charged motors as well as vehicles with the latest technology catalytic converters.

PERFORMANCE LEVELS: API SL/CF – ACEA A3/B3, A3/B4- VW 502.00/505.00- BMW Longlife 98 -MB 229.3

Semi synthetic motor oil formulated with high-quality base oils and advanced additive technology. Satisfies all the requirements of gasoline, diesel and LPG passenger cars and vans. Shows excellent performance in all season. Provides perfect engine protection in all weather and road conditions with high viscosity index.

**PERFORMANCE LEVELS: API SL/CF- ACEA A3-99,B3-98
ISSUE 2- Daimler/Chrysler 229.1**

Low viscosity and high stability semi synthetic motor oil especially formulated to meet the high requirements of modern passenger car motors operating under different running conditions. Due to excellent lubrication feature it protects all equipments of the motor, reduces the formation of sludge and deposit therefore decreases maintenance costs by extending oil change intervals. In addition, it perfectly meets the needs of high speed and heavy load vehicles, working in extreme conditions such as long road terms and stop and go intense city traffic use.

PERFORMANCE LEVELS: API SL/CF -ACEA A3/B4-VW 505.00

TECHNICAL INFORMATION

Kinematic Viscosity 100°C (cSt)

12,5 - 16,3

9,3 - 12,6

12,5 - 16,3

Viscosity Index (min)

150

140

150

Flash Point (min) (°C)

200

200

200

Pour Point (max) (°C)

-33

-27

-27

GASOLINE ENGINE OILS

GASOLINE ENGINE OILS

FEATURES & USES AREA

TECHNICAL INFORMATIONS

A PLUS S 10W/40

It is allyear motor oil suitable for all types of gasoline and diesel motors that operate under different working conditions. It provides effective performance with in oil change intervals by perfectly controlling lubrication function. It is suitable for all types of engines including turbochargers and catalytic converters.

PERFORMANCE LEVELS: API SL/CF -MB 229.1-VW 505.00/505.01-ACEA A3/B3

Kinematic
Viscosity
100°C (cSt)

12,5 - 16,3

Viscosity
Index
(min)

130

Flash
Point
(min) (°C)

200

Pour
Point
(max) (°C)

-27

A PLUS S 15W/40

Produced by high-quality mineral base oils with high-performance additives. It can be used in high-speed motors. Especially suitable for passenger cars and stop-start type of commercial passenger vehicles motor oil.

PERFORMANCE LEVELS: API SL/CF

12,5-16,3

125

200

-24

A PLUS S 20W/50

It is an all year motor oil for all types of modern and old vehicles operating under different running conditions. It keeps the oil system clean, creates better engine compression with less deposits and decreases fuel consumption. It is suitable for use in all types of motors including turbochargers and catalytic converters.

PERFORMANCE LEVELS: API SL/CF -ACEA A3/B3-VW 505.00-MB 229

16,3- 21,9

120

200

-21

ITS_{oil}

DIESEL ENGINE OILS



DIESEL ENGINE OILS

FEATURES & USES AREA

TECHNICAL INFORMATIONS

ITS SHARP 5W/30 FULL SYNTHETIC

It is the fully synthetic high-performance, motor oil designed for long-term use in modern engines. It provides less pressure on the power transmission component and the result is fuel economization and at the same time extended service life with less maintenance cost. Thanks to its constant wide-range viscosity. It ensures an immediate lubrication property at cold start. Innovative technology provides green nature and clean environment responsibility with minimum harmful emissions.

**PERFORMANCE LEVELS API CI-4/SL-MB 228.5/229.1-
Mack EO-M-Volvo Vds-2**

**Kinematic
Viscosity
100°C (cSt)**

9,3 – 12,6

**Viscosity
Index
(min)**

160

**Flash
Point
(min) (°C)**

200

**Pour
Point
(max) (°C)**

-33

ITS SHARP 5W/40 FULL SYNTHETIC

It is the synthetic motor oil with finest additives formulation for passenger cars and light diesel vehicles. Meets all the requirements of modern diesel motors. Unique performance in four seasons. In all weather and road condition, provides unparalleled protection in motor with high viscosity index.

**PERFORMANCE LEVELS API CI-4/SL-Renault RVI RXD-
Volvo VDS-2/VDS-3-WB 228.5**

12,5-16,3

150

200

-33

ITS SHARP 10W/30 FULL SYNTHETIC

It is ultra high – performance. Fully synthetic diesel motor oil formulated with the latest technology. It shows excellent performance in modern diesel vehicles and long mile engaged trucks.

**PERFORMANCE LEVELS API CI-4/SL- Renault RVI RXD-
Volvo VDS-2/VDS-3-WB 228.5**

9,3 – 12,6

140

200

-27

DIESEL ENGINE OILS

FEATURES & USES AREA

TECHNICAL INFORMATIONS

ITS SHARP 10W/40 FULL SYNTHETIC

It is four season multigrade motor oil for modern gasoline and diesel motors that operate under different running conditions. Special combination of latest additives technology with synthetic oils insures special features for optimum performance against wear, corrosion and deposit formation. The product is fortified against negative effects of high temperature, high pressure, continuous long-term use. It is suitable for use in all types of engines including turbochargers and catalytic converters.
PERFORMANCE LEVELS API CI-4/SL-MB 228.5/229.1-Volvo Vds-2-DAF Mtv Type 2+3-Scania Ldf-MAN 32

**Kinematic
Viscosity
100°C (cSt)**

12,5 – 16,3

**Viscosity
Index
(min)**

150

**Flash
Point
(min) (°C)**

200

**Pour
Point
(max) (°C)**

-27

ITS SHARP 5W/30 SEMI SYNTHETIC

It is semi synthetic motor oil formulated with quality additives for passenger cars and light diesel vehicles. Meets all the requirements for diesel engines that are produced with modern methods. Unique performance in the four seasons. In all weather and road condition, provides unparalleled protection in motor with high viscosity index.
PERFORMANCE LEVELS: API CI-4/SL- API Renault RVI RXD- Volvo VDS-2/VDS-3- WB 228.5

9,3 – 12,6

160

200

-33

ITS SHARP 5W/40 SEMI SYNTHETIC

Semi synthetic motor oil with enriched Formula for commercial light duty diesel vehicles . Minimizes negative effects of average load, continuous drive and intense city traffic, stop and go, sudden acceleration or brake and shortterm use. It provides saving in fuel consumption and maintenance cost, protection for extreme heat and cold start. Detergent additives ensure optimum engine performance during all year by preventing harmful deposit formation.
PERFORMANCE LEVELS API CI-4/SL-ACEA E3/B3/B4-MB 228.3-MAN M-3275-Volvo Vds-2

12,5 - 16,3

150

200

-33

DIESEL ENGINE OILS

ITS MAX 10W/30 SEMI SYNTHETIC

FEATURES & USES AREA

It is semi synthetic motor oil produced with finest additives for passenger cars and light diesel vehicles. Meets all the requirements for diesel motors that are produced with modern methods. Unique performance in four seasons. In all weather and road condition, provides unparalleled protection in motor with high viscosity index.

PERFORMANCE LEVELS API CI-4/SL-Renault RVI RXD-Volvo VDS-2/VDS-3-WB 228.5

TECHNICAL INFORMATIONS

Kinematic
Viscosity
100°C (cSt)

9,3 – 12,6

Viscosity
Index
(min)

140

Flash
Point
(min) (°C)

200

Pour
Point
(max) (°C)

-27

ITS MAX 10W/40 SEMI SYNTHETIC

It is the semi-synthetic motor oil formulated with high quality base oils and ultimate additives. It creates better wear control in low and high temperature. It provides fuel and oil economy. Formulation is fortified by additional additives which neutralize acid formation due to diesel fuel. The result is reduction in corrosion, less deposit formation and friction. It decreases maintenance costs by longer service intervals. Effective detergent and dispersant additives keep the motor clean and allow less exhaust emissions for the environmental care. Compatible with turbo chargers or catalytic converters.

PERFORMANCE LEVELS API CI-4/SL-ACEA E7/E5-MB 228.3-Volvo Vds-3-Renault RLD 2

12,5 - 16,3

140

200

-33

ITS MAXXI 10W/40

It is super high performance diesel engine oil formulated with high quality base oil and advanced additive technology. It provides excellent engine cleanliness. Thanks to quality additives in formulation no foam occurs. It is a four season motor oil and suitable for all diesel vehicles which are working under heavy duty conditions.

PERFORMANCE LEVELS API CI-4/SL - Volvo VDS-2-MB 228.3/MB 229.1 - MAN M 3275 - Mack EO-M Plus

12,5 - 16,3

145

200

-27

DIESEL ENGINE OILS

ITS HDX

FEATURES & USES AREA

It is prepared with base oils and quality additives that are obtained by modern refining processes. Developed for diesel and gasoline vehicles that are working under difficult conditions. Keeps the motor clean in all weather and road conditions. Protects against oxidation, abrasion and corrosion.
PERFORMANCE LEVELS: API CD/SF. US Military: MIL-L-2104 C

ITS HD

Mono grade motor oil for the general use in all types of passenger and commercial diesel engines with normally aspirated or turbo charged engines. It is fortified with additive packages and anti foaming agents to provide high performance. Monograde motor oils are not suitable for all year use therefore they have to be changed according to season and temperature conditions. It contains film stability for being able to use in hydraulic systems. Provides thermo stability, engine cleanliness, good cold start. Prevents from black sludge formation. Compatible with all synthetic, semi synthetic and mineral based motor oils.
PERFORMANCE LEVELS: API CC/SC

TECHNICAL INFORMATION

SAE NO	Kinematic Viscosity 100°C (cSt)	Viscosity Index (min)	Flash Point (min) (°C)	Pour Point (max) (°C)
10	5,0 - 5,7	100	200	-12
30	9,3 - 12,6	100	200	-12
40	12,5 - 16,3	120	200	-12
10	5,0 - 5,7	100	200	-12
30	9,3 - 12,6	100	200	-12
40	12,5 - 16,3	120	200	-12

DIESEL ENGINE OILS

ITS H

FEATURES & USES AREA

Mono grade motor oil for the general use of all types of passenger cars and commercial cars with diesel motors. Monograde engine oils are not suitable for all year use therefore they have to be changed according to season and temperature conditions.

PERFORMANCE LEVELS: API CA/SA

TECHNICAL INFORMATIONS

SAE NO	Kinematic Viscosity 100°C (cSt)	Viscosity Index (min)	Flash Point (min) (°C)	Pour Point (max) (°C)
10	5,0 - 5,7	100	200	-12
30	9,3 - 12,6	100	200	-12
40	12,5- 16,3	120	200	-12

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INDUSTRIAL OILS



INDUSTRIAL OILS

INDUSTRIAL GEAR OILS

FEATURES & USES AREA

High quality industrial gear box oil developed for gear systems requiring extreme pressure feature. It provides protection against scratch, wear and micro pitting by preventing the friction that may occur on the surface of gears. It helps the gears to work more efficiently. It provides maximum protection against wear during the first start at low temperatures. As it certainly does not mix with water when they are in contact, it provides excellent protection against rust, corrosion and formation of foam.

TECHNICAL INFORMATIONS

SAE NO	Kinematic Viscosity 40°C (cSt)	Viscosity Index (min)	Flash Point (min) (°C)	Pour Point (max) (°C)
68	61,2 - 74,8	98	190	-24
100	90 - 110	95	190	-24
150	135 - 165	120	190	-22
220	198 - 242	120	190	-18
460	288 - 352	120	190	-12
	414 - 506	120	190	-12

INDUSTRIAL OILS

FEATURES & USES AREA

TECHNICAL INFORMATIONS

DAMPER OIL

It is qualified oil formulated from mineral based quality base Oils for lubrication in truck damper

Kinematic
Viscosity
100°C (cSt)

4-7

Kinematic
Viscosity
40°C (cSt)

-

Viscosity
Index
(min)

95

Flash
Point
(min) (°C)

210

Pour
Point
(max) (°C)

-18

SAW OIL

It is qualified oil formulated with mineral base oils. It ensures a perfect lubrication in saw machines that are used in wood cutting.

4-7

-

100

220

-18

ITS_{oil}

SPECIAL AUTOMOTIVE PRODUCT



ANTIFREEZES

FEATURES & USES AREA

TECHNICAL INFORMATIONS

PLUS ANTIFREEZE

It is formulated by mixture of high tech corrosion preventive additives. It provides better long term operations against rust, corrosion and wear in cooling systems and it protects radiator water against freezing in cold weather and boiling in hot weather conditions. It can be used in alltype of radiators.

Note:When use SUPER ANTIFREEZE, dilute with water

SUPER ANTIFREEZE

Density
(g/cm³)

Freezing
Point (°C)

Colour

1,13

-37

Green / Blue / Pink

1,13

(1/1) -37

Green / Blue / Pink

COMPARISON CHART

KARŞILAŞTIRMA CETVELİ - COMPARISON CHART

ITS OIL	PETROL OFİSİ	MOBİL	SHELL	CASTROL
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BENZİNLİ MOTOR YAĞLARI - GASOLINE ENGINE OILS

ITS FS 0W/30 FULL SYNTHETIC	MAXIMA 0W/30	FUEL ECONOMY 0W/30	HELIX ULTRA 0W/30	SLX LONGTECH 0W/30-EDGE 0W/30
ITS FS 0W/40 FULL SYNTHETIC				EDGE 0W/40
ITS FS 5W/30 SEMI SYNTHETIC	MAXIMA 5W/30	SUPER FE SPECIAL 5W/30	HELIX 5W/30 – HELIX ULTRA 5W/30	PERFORMANCE A1 5W/30
ITS ULTRA SS 5W/40SEMI SYNTHETIC	MAXIMA 5W/40	10W/40	HELIX ULTRA 5W/40	SLX 505 01
ITS PREMIUM SS 10W/30SEMI SYNTHETIC			HELIX PLUS 10W/40	
ITS PREMIUM SS 10W/40SEMI SYNTHETIC	MAXIMA 10W/40	SUPER S 10W/40	HELIX PLUS 10W/40	GTX MAGNETEC 10W/40
A PLUS S 15W/40	MAXIMA 15W/40		HELIX SUPER 15W/40	GTX 15W/40

DİZEL MOTOR YAĞLARI – DIESEL ENGINE OILS

ITS SHARP 5W/30 FULL SYNTHETIC	MAXIMA DİSESEL 5W/30		DİSESEL ULTRA 5W/30	ELIXION 0W/30
ITS SHARP 5W/40 FULL SYNTHETIC	MAXIMA DİSESEL 5W/40		HELIX DİSESEL ULTRA 5W/40	TXT 505.01
ITS SHARP 10W/30 FULL SYNTHETIC		DELVAC CT 10W/30		
ITS SHARP 10W/40 FULL SYNTHETIC	MAXIMA DİSESEL 10W/40		HELIX DİSESEL PLUS 10W/40	MAGNETEC DİSESEL 10W/40
ITS MAXXI 10W/40	MAXIMUS LA 10W/40	DELVAC XHP LE EXTRA 10W/40	RİMULA R6 LM 10W/40 (RİMULA SIGNIA 10W/40)	ENDURON LOW SAPS 10W/40
ITS HDX 40	SUPERŞARJ 40	DELVAC 1340	RİMULA R3+40 (RİMULA X-40)	TECTON MONOGRADE SAE 40
ITS HDX 30	SUPERŞARJ 30	DELVAC 1330	RİMULA R3+30 (RİMULA X-30)	TECTON MONOGRADE SAE 30
ITS HDX 10	SUPERŞARJ 10W	DELVAC HYDARULIC 10W	RİMULA R3+10 (RİMULA X-10)	TECTON MONOGRADE SAE 10
ITS HD 40	KALİBRATÖR 40	DELVAC 1240	RİMULA R1 40 (RİMULA C 40)	
ITS HD 30	KALİBRATÖR 30	DELVAC 1230	RİMULA R1 30 (RİMULA C 30)	
ITS HD 10	KALİBRATÖR 10W	DELVAC 1210	RİMULA R1 10 (RİMULA C 10W)	



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MATERIAL SAFETY DATA SHEET

Prepared according to Annex II of EC regulation 1907/2006

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Company	ITS Havaçılık ve Dış Ticaret Ltd. Şti.
Address	Izzettin Çalışlar Cad. No:43/6 Bahçelievler/İSTANBUL/TURKEY
Tel	+90 212 555 64 84
Fax	+90 212 555 64 80
Product Type	Hydraulic System Oil

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Properties				
Highly refined mineral oil mixed with performance additives.				
Name	EC-No	CAS No	Concentration %	Classification
Lubricating oil; Baseoil - unspecified	278-012-2	74869-22-0	90 - 95	-

3. HAZARDS IDENTIFICATION

Not regarded as a health or environmental hazard under current legislation.

4. FIRST-AID MEASURES

General Information	Get medical attention if any discomfort continues.
Inhalation	Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
Ingestion	NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Get medical attention if any discomfort continues.
Skin Contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.
Eye Contact	Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

5. FIRE-FIGHTING MEASURES

Extinguishing Media	This product is not flammable. Fire can be extinguished using: Foam, carbon dioxide or dry powder.
Special Fire Fighting Procedures	Avoid breathing fire vapours. Keep run-off water out of sewers and water sources. Dike for water control.
Specific Hazards	In case of fire, toxic gases may be formed (CO, NO _x).
Protective Measures in Fire	Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear protective clothing as described in Section 8 of this safety data sheet.
Environmental Precautions	Do not discharge into drains, water courses or onto the ground.
Spill Clean Up Methods	Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.

7. HANDLING AND STORAGE

Usage Precautions	Avoid spilling, skin and eye contact.
Storage Precautions	Store in tightly closed original container in a dry and cool place. Keep in original container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective Equipment



Engineering Measures	Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of vapours.
Respiratory Equipment	No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.
Hand Protection	Use suitable protective gloves if risk of skin contact. Use protective gloves made of: Nitrile. Polyvinyl chloride (PVC).
Other Protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene Measures	DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Appearance	Liquid	
Colour	Brown	
Odour	Specific Engine Oil	
	Spec	Methods
Flash Point (°C) (min)	190	ASTM D 92
Pour Point (°C) (max)	-6	ASTM D 97
Density (g/cm3)	0,875 – 0,885	ASTM D 4052
Kinematic Viscosity (40,°C)	28,8 – 35,2	ASTM D 445

10. STABILITY AND REACTIVITY

Stability	Stable under normal temperature conditions.
Conditions To Avoid	Avoid excessive heat for prolonged periods of time. Avoid contact with strong oxidisers.
Hazardous Decomposition Products	Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2).

11. TOXICOLOGICAL INFORMATION

Inhalation Toxicity (RATS)	Not applicable. Harmful concentrations of mists and/or vapors are unlikely to be encountered through any customary or reasonably foreseeable handling, use or misuse of this product.
Ingestion	May cause discomfort if swallowed.
Skin Irritation (RABBITS)	Practically non-irritating.
Eye Irritation (RABBITS)	Practically non-irritating.



ITS OIL 32

MATERIAL SAFETY DATA SHEET

12. ECOLOGICAL INFORMATION

Ecotoxicity	Not regarded as dangerous for the environment.
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13. DISPOSAL CONSIDERATIONS

General Information	The packaging must be empty (drop-free, when inverted)
Disposal Methods	Dispose of waste and residues in accordance with local authority requirements. Environmental manager must be informed of all major spillages. Do not allow runoff to sewer, waterway or ground.

14. TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

15. REGULATORY INFORMATION

S PHRASES	
S 2	Keep out of the reach of children
S 39	Wear eye/face protection
S 45	In case of accident or if you feel unwell seek medical advice immediately (Show the label)
S 53	Avoid exposure – Obtain special instructions before use.
S 61	Avoid release to the environment. Refer to special instructions/safety data sheet.

16. OTHER INFORMATION

Prepared by Certification No: GBF – 0981

DISCLAIMER

This information and these recommendations are offered in good faith and believed to be correct as of the date hereof. Information and recommendations are supplied upon the condition that the recipients will make their own decision as to safety and suitability for their purposes. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature, are made with respect to the product or the information and recommendations. ITS HAVACILIK VE DIŞ TICARET LTD. ŞTİ. makes no representation as to completeness or accuracy. In no event will ITS HAVACILIK VE DIŞ TICARET LTD. ŞTİ. be responsible for damages of any nature whatsoever resulting from the use or reliance upon the information and recommendations.

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ITSOIL 46

MATERIAL SAFETY DATA SHEET

Prepared according to Annex II of EC regulation 1907/2006

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Company	ITS Havacılık ve Dış Ticaret Ltd. Şti.
Address	İzzettin Çalışlar Cad. No:43/6 Bahçelievler/İSTANBUL/TURKEY
Tel	+90 212 555 64 84
Fax	+90 212 555 64 80
Product Type	Hydraulic System Oil

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Properties				
Highly refined mineral oil mixed with performance additives.				
Name	EC-No	CA5 No	Concentration %	Classification
Lubricating oils	278-012-2	74869-22-0	90 - 95	-
Baseoil - unspecified				

3. HAZARDS IDENTIFICATION

Not regarded as a health or environmental hazard under current legislation.

4. FIRST-AID MEASURES

General Information	Get medical attention if any discomfort continues.
Inhalation	Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
Ingestion	NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Get medical attention if any discomfort continues.
Skin Contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.
Eye Contact	Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

5. FIRE-FIGHTING MEASURES

Extinguishing Media	This product is not flammable. Fire can be extinguished using: Foam, carbon dioxide or dry powder.
Special Fire Fighting Procedures	Avoid breathing fire vapours. Keep run-off water out of sewers and water sources. Dike for water control.
Specific Hazards	In case of fire, toxic gases may be formed (COx, NOx).
Protective Measures in Fire	Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear protective clothing as described in Section 8 of this safety data sheet.
Environmental Precautions	Do not discharge into drains, water courses or onto the ground.
Spill Clean Up Methods	Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.


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MATERIAL SAFETY DATA SHEET

7. HANDLING AND STORAGE

Usage Precautions	Avoid spilling, skin and eye contact.
Storage Precautions	Store in tightly closed original container in a dry and cool place. Keep in original container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective Equipment



Engineering Measures	Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of vapours.
Respiratory Equipment	No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.
Hand Protection	Use suitable protective gloves if risk of skin contact. Use protective gloves made of: Nitrile, Polyvinyl chloride (PVC).
Other Protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene Measures	DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Appearance	Liquid	
Colour	Brown	
Odour	Specific Engine Oil	
	Spect	Methods
Flash Point (°C) (min)	190	ASTM D 92
Pour Point (°C) (max)	-6	ASTM D 97
Density (g/cm³)	0,875 – 0,885	ASTM D 4052
Kinematic Viscosity (40, °C)	41,4 – 50,6	ASTM D 445

10. STABILITY AND REACTIVITY

Stability	Stable under normal temperature conditions.
Conditions To Avoid	Avoid excessive heat for prolonged periods of time. Avoid contact with strong oxidisers.
Hazardous Decomposition Products	Fire creates: Carbon monoxide (CO), Carbon dioxide (CO ₂).

11. TOXICOLOGICAL INFORMATION

Inhalation Toxicity (RATS)	Not applicable. Harmful concentrations of mists and/or vapors are unlikely to be encountered through any customary or reasonably foreseeable handling, use or misuse of this product.
Ingestion	May cause discomfort if swallowed.
Skin Irritation (RABBITS)	Practically non-irritating.
Eye Irritation (RABBITS)	Practically non-irritating.



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MATERIAL SAFETY DATA SHEET

12. ECOLOGICAL INFORMATION

Ecotoxicity	Not regarded as dangerous for the environment.
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13. DISPOSAL CONSIDERATIONS

General Information	The packaging must be empty (drop-free, when inverted)
Disposal Methods	Dispose of waste and residues in accordance with local authority requirements. Environmental manager must be informed of all major spillages. Do not allow runoff to sewer, waterway or ground.

14. TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

15. REGULATORY INFORMATION

S PHRASES	
S 2	Keep out of the reach of children
S 39	Wear eye/face protection
S 45	In case of accident or if you feel unwell seek medical advice immediately (Show the label)
S 53	Avoid exposure – Obtain special instructions before use.
S 61	Avoid release to the environment. Refer to special instructions/safety data sheet.

16. OTHER INFORMATION

Prepared by Certification No: GBF – 0981

DISCLAIMER

This information and these recommendations are offered in good faith and believed to be correct as of the date hereof. Information and recommendations are supplied upon the condition that the recipients will make their own decision as to safety and suitability for their purposes. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature, are made with respect to the product or the information and recommendations. ITS HAVACILIK VE DIŞ TICARET LTD. ŞTİ. makes no representation as to completeness or accuracy. In no event will ITS HAVACILIK VE DIŞ TICARET LTD. ŞTİ. be responsible for damages of any nature whatsoever resulting from the use or reliance upon the information and recommendations.

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MATERIAL SAFETY DATA SHEET

Prepared according to Annex II of EC regulation 1907/2006

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Company	ITS Havaçılık ve Dış Ticaret Ltd. Şti.
Address	Izzettin Çalışlar Cad. No:43/6 Bahçelievler/İSTANBUL/TURKEY
Tel	+90 212 555 64 84
Fax	+90 212 555 64 80
Product Type	Hydraulic System Oil

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Properties				
Highly refined mineral oil mixed with performance additives.				
Name	EC-No	CA5 No	Concentration %	Classification
Lubricating oils Baseoil - unspecified	278-012-2	74869-22-0	90 - 95	-

3. HAZARDS IDENTIFICATION

Not regarded as a health or environmental hazard under current legislation.

4. FIRST-AID MEASURES

General Information	Get medical attention if any discomfort continues.
Inhalation	Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
Ingestion	NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Get medical attention if any discomfort continues.
Skin Contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.
Eye Contact	Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

5. FIRE-FIGHTING MEASURES

Extinguishing Media	This product is not flammable. Fire can be extinguished using: Foam, carbon dioxide or dry powder.
Special Fire Fighting Procedures	Avoid breathing fire vapours. Keep run-off water out of sewers and water sources. Dilute for water control.
Specific Hazards	In case of fire, toxic gases may be formed (COx, NOx).
Protective Measures in Fire	Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear protective clothing as described in Section 8 of this safety data sheet.
Environmental Precautions	Do not discharge into drains, water courses or onto the ground.
Spill Clean Up Methods	Stop leaks if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.

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7. HANDLING AND STORAGE

Usage Precautions	Avoid spilling, skin and eye contact.
Storage Precautions	Store in tightly closed original container in a dry and cool place. Keep in original container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective Equipment



Engineering Measures	Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of vapours.
Respiratory Equipment	No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.
Hand Protection	Use suitable protective gloves if risk of skin contact. Use protective gloves made of: Nitrile, Polyvinyl chloride (PVC).
Other Protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene Measures	DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

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Colour	Brown	
Odour	Specific Engine Oil	
	Spect	Methods
Flash Point (°C) (min)	190	ASTM D 92
Pour Point (°C) (max)	-6	ASTM D 97
Density (g/cm ³)	0,875 – 0,885	ASTM D 4052
Kinematic Viscosity (40,°C)	61,2 – 74,8	ASTM D 445

10. STABILITY AND REACTIVITY

Stability	Stable under normal temperature conditions.
Conditions To Avoid	Avoid excessive heat for prolonged periods of time. Avoid contact with strong oxidisers.
Hazardous Decomposition Products	Fire creates: Carbon monoxide (CO). Carbon dioxide (CO ₂).

11. TOXICOLOGICAL INFORMATION

Inhalation Toxicity (RATS)	Not applicable. Harmful concentrations of mists and/or vapors are unlikely to be encountered through any customary or reasonably foreseeable handling, use or misuse of this product.
Ingestion	May cause discomfort if swallowed.
Skin Irritation (RABBITS)	Practically non-irritating.
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