

GENUINE LUBRICANTS

Buy More, Save More!

Parts Number	Description	Unit Price (MYR)	Bulk Dis. Qty ≥ 3	Bulk Dis. Qty ≥ 5
HCMM DH1200	ENGINE OIL 15W40 DH-1 (200L)	2,500	2,400	2,350
HCMM DH120	ENGINE OIL 15W40 DH-1 (20L)	315	305	290
HCMM SUPER DRUM	TRANS/DIFF. GEAR OIL (200L)	2,560	2,500	2,470

Parts Number	Description	Unit Price (MYR)	Bulk Dis. Qty ≥ 5	Bulk Dis. Qty ≥ 10
HCMM DH105	ENGINE OIL 15W40 DH-1 (5L)	98	90	85
HCMM 46TP DRUM	HYDRAULIC OIL 46TP (200L)	2,100	2,050	2,010
HCMM 46TP20L	HYDRAULIC OIL 46TP (20L)	275	245	225
HCMM SUPER PAIL	TRANS/DIFF.GEAR OIL (20L)	290	270	260
HCMM SUPER 5L	TRANS/DIFF.GEAR OIL (5L)	75	70	65
HCMM GREASE	GENUINE GREASE EP2 (16KG)	380	360	340
HCMM COOLANT	COOLANT PREMIX (20L)	185	180	175
HCMM COOLANT 5L	COOLANT PREMIX (5L)	70	60	55

**HITX**

Made For Heavy Machinery

**Valid Till: 31.12.2025**

TIME FOR AN OIL CHANGE!

**WHILE STOCK LAST!**

Part Number	Description	Normal Price (RM)	Promo Price (RM)
HITX 20W50 Drum	Engine Oil 20W50 (200L)	1,950	1,857
HITX 20W50 Pail	Engine Oil 20W50 (20L)	230	207
HITX 15W40 Drum	Engine Oil 15W40 CF4 (200L)	1,920	1,769
HITX 15W40 Pail	Engine Oil 15W40 CF4 (20L)	215	190
HITX 15W40 CI4	Engine Oil 15W40 CI4 (200L)	2,200	2,000
HITX 15W40 CI4 Pail	Engine Oil 15W40 CI4 (20L)	250	230
HITX 46 Drum	Hydraulic Oil 46 Zinc Free (200L)	2,100	1,880
HITX 46 Pail	Hydraulic Oil 46 Zinc Free (20L)	250	200
HITX 68 Drum	Hydraulic Oil 68 (200L)	1,970	1,830
HITX 68 Pail	Hydraulic Oil 68 (20L)	230	190
HITX Grease Pail	Grease EP2 (15Kg)	350	315



Sales Representative Contact:

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Hitachi Construction Machinery Malaysia Sdn. Bhd.

Hitachi Website:

www.hitachicm.com/my/en/**Hitachi Construction Machinery (Malaysia) Sdn Bhd**

Cautions for Use This Product

Carefully read the cautions printed on the container before using this product. The type of oil that can be used differs depending on the machine and environment. Use the optimum genuine parts in accordance with the operator's manual of the machines to be operated.

Service and Support Provided by Hitachi

Please contact the nearest authorized Hitachi dealer for precise advice on a product or maintenance service.

Hitachi Genuine Hydraulic Oil Genuine Hydraulic 46TP



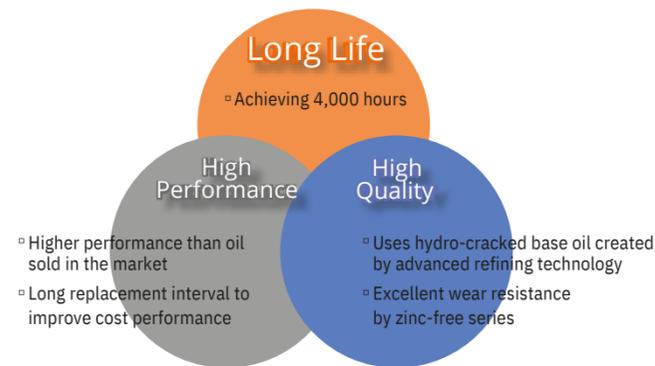
Genuine Hydraulic 46TP Genuine Hydraulic 46TP Genuine Hydraulic 46TP Genuine Hydraulic 46TP

Long-life Genuine Hydraulic Oil that Matches Hitachi's Machine Lineup

Genuine Hydraulic 46TP

To demonstrate the machine performance, the optimum performance of respective hydraulic devices must be consistent. It is, therefore, important to select an appropriate hydraulic oil that suits to the machine. Unlike other oil sold in the market that actually deteriorates quickly, Genuine Hydraulic 46TP matches the regulation of the replacement interval and expands life of hydraulic devices including pumps or motors, and reduces the maintenance costs.

Three types of the excellent performance of Genuine Hydraulic 46TP



Genuine Hydraulic 46TP uses "Hydro-cracked base oil".

Genuine Hydraulic 46TP has adopted "Hydro-cracked base oil", which is a proof of premium oil. It features distinctively higher performance than other oil sold in the market.

Features of hydro-cracked base oil

1 Color

Clear and transparent oil with a lot less impurities

2 Oxidation stability

Excellent resistance against oxidation that reduces the lubrication performance of hydraulic oil

3 High purity

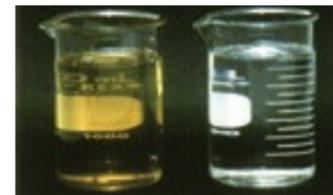
Excellent oil with a lot less impurities, higher purity than conventional oil

4 High viscosity stability

Maintains appropriate viscosity even under extreme temperature changes

5 Heat resistance

Excellent resistance to heat



Oil sold in the market (by conventional manufacturing process) Hydro-cracked base oil

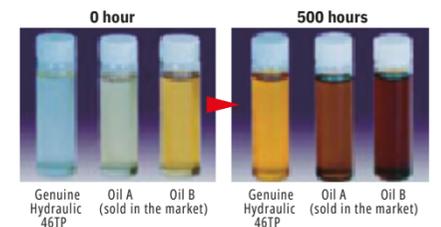
Always use Hitachi genuine oil when replacing the hydraulic oil.

Hydraulic oil is used in high-temperature and harsh conditions, and its quality deteriorates even though it features excellent quality. The replacement interval varies depending on the machine. Replace oil in accordance with the Hitachi authorized dealer's recommendation.

Feature 1 High resistance against oxidation and reduces corrosive wear inside the device

Friction load due to high temperature and pressure causes oil oxidation, resulting in various problems such as abnormal wear of hydraulic pump or sludge generation. In a high-pressure piston / pump test, Genuine Hydraulic 46TP has proved much less change in color due to oxidation and reduced corrosive wear of devices after a long period of time compared with oil sold in the market.

Result of high-pressure piston / pump test (95 °C / 34.3 MPa) (In-house comparison)



Feature 2 Zinc-free oil to reduce sludge generation when using for a long period of time

Most of the oils sold in the market contain zinc to enhance lubrication performance; however, zinc is combined with the sulfur element in the oil after its separation, causing sludge generation. In a long time circulating pump test, Genuine Hydraulic 46TP has reduced sludge inside the hydraulic oil tank compared with zinc-series oil sold in the market.

Result of circulating pump test (80 °C / 20.59 MPa / 1,500 rpm) (In-house comparison)

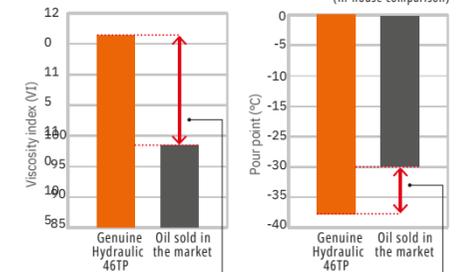


Reduces sludge inside the hydraulic oil tank Generates sludge

Feature 3 Maintains appropriate viscosity in a wider range of temperatures

Use of the machine under a low-temperature condition raises oil viscosity and reduces the machine performance. On the other hand, use of the machine under a high-temperature condition lowers oil viscosity causing wear of devices. Compared with oil sold in the market, Genuine Hydraulic 46TP features not only a lower pour point but also higher viscosity index (VI), allowing machine usage under various temperature conditions. A stable performance under various temperature conditions improves fuel consumption.

Result of viscosity index / pour point comparison test (In-house comparison)



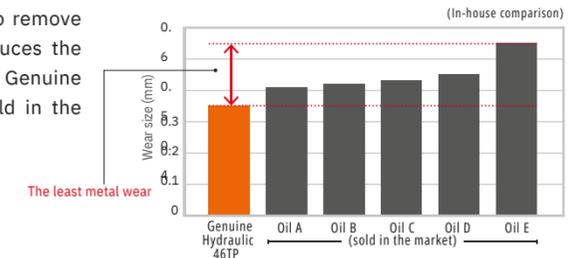
Maintains appropriate viscosity with higher viscosity index Stable viscosity under lower temperature condition

▫ Pour point: The minimum temperature at which oil does not flow
▫ Viscosity index: Indicates oil viscosity variation due to the temperature. As the index is larger, the viscosity becomes more stable.

Feature 4 High lubrication performance to reduce metal wear

Hydraulic oil has the role of high lubrication performance so as to remove contact with metals and reduce wear. Excessive metal wear reduces the device life. In a shell 4 ball wear test to measure metal wear, Genuine Hydraulic 46TP reduced metal wear compared with other oil sold in the market.

Result of shell 4 ball wear test (1,200 rpm / 30 kg / 30 minutes / Wear size) (In-house comparison)



The least metal wear

Lineup



Drum (200 liters)



Pail (20 liters)

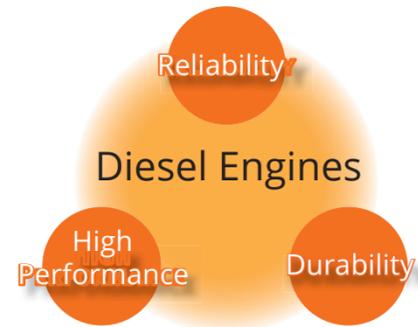
High-quality Engine Oil Suitable for Engines Mounted in Hitachi Machines

SUPER WIDE DH-1 SERIES

Engine oil is blended to ensure maximum performance tailored to the engine. It is, therefore, important to select correct engine oil that suits to the machine. SUPER WIDE DH-1 meets the strict criteria of JASO* that is an engine oil standard suitable for engines manufactured in Japan and can be used in large-sized machines with continuous high speed operation.

* JASO (Japanese Automobile Standard Organization): A standard developed by the Society of Automotive Engineers of Japan, Inc.

Three Types of Performance Required for Construction Machine Engines



To maximize engine performance, use on engine oil optimized for engines.

SUPER WIDE DH-1 Maximizes The Engine Performance of Hitachi Products.

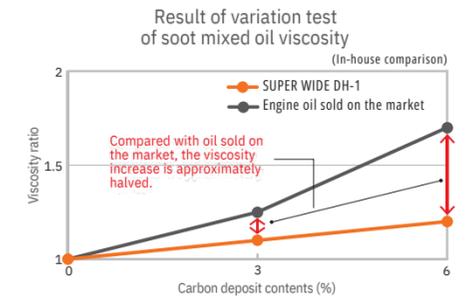
The demands of lubricants for high-output and low-emission diesel engines have intensified. SUPER WIDE DH-1 includes high-quality base oil and advanced additives combined in a balanced manner. Accordingly, it can be used for low-emission diesel engines requiring high-performance engine oil. Additionally, it also excels when used in conventional diesel engines.

Always use Hitachi genuine oil when replacing the engine oil.

Engine oil is used in harsh conditions, and its quality deteriorates even though it features excellent quality. Periodical oil replacement is recommended in accordance with the operator's manual.

FEATURE 1 Prevents increased viscosity due to soot entering and maintains engine performance

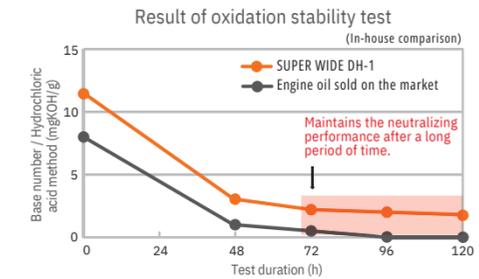
Soot in oil tends to increase during fuel combustion. So, an oil which excels in soot dispersancy must be used. Compared with other oil sold on the market, SUPER WIDE DH-1 reduces oil viscosity caused by soot entering by approximately half. For these reasons, unlike other oil that actually deteriorates quickly, this oil matches the regulation of the replacement interval while maintaining engine performance, even for high operation machines.



FEATURE 2 Prevents oil oxidation and corrosive wear inside engine

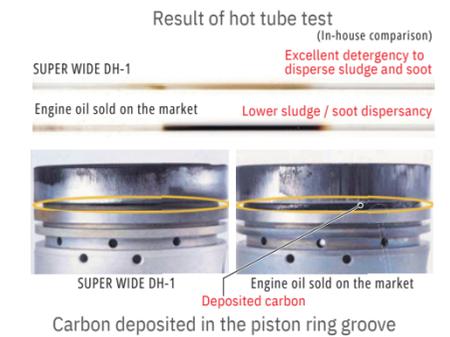
Engine oil deterioration lowers the lubrication performance and causes corrosion and wear inside the engine; therefore, the base number (neutralizing) the oil neutralizes the acid in the exhaust gas to prevent oil deterioration.

Compared with oil sold on the market, the initial base number of SUPER WIDE DH-1 is high, featuring a base retention ability after a long period of time. Oil, therefore, deteriorates less, and corrosion and wear inside the engine are prevented.



FEATURE 3 Excellent high-temperature detergency

When exposed to a high temperature, engine oil generates soot and sludge, thereby causing various engine troubles. In a test at a high temperature (hot tube test), SUPER WIDE DH-1 has demonstrated a high sludge / soot dispersancy and excellent detergency compared with other oil sold on the market. This oil prevents the piston ring from being stuck even under harsh operating environments.



FEATURE 4 High wear resistance to reduce internal engine wear

Engine oil has the role of reducing internal engine wear. When engine oil deteriorates, the lubrication performance declines, which causes wear and seizure inside the engine. Compared with other oil sold on the market, SUPER WIDE DH-1 includes a balanced composition of advanced additives to improve wear resistance and reduce the wear of valve gears including cams.



Lineup



HITX AW 68 HYDRAULIC OIL

HITX AW 68 Hydraulic Oil is a low zinc antiwear hydraulic oil meeting Parker Denison HF-0 requirements. It is produced from highly refined lubricating base stocks and hydraulic oil additive packages. These products are designed for hydraulic systems with higher makeup rates or those, which operate at moderate temperatures.

The additives found in HITX AW 68 Hydraulic Oils enhance the anti-wear characteristics of the fluid. They also inhibit foam from forming in the oil and offer a moderate level of protection against rust and corrosion in the event of water contamination.

HITX AW 68 Hydraulic Oils are suitable for applications used in equipment located in underground mines, industrial hygiene units, and other hydraulic systems.

Test Description	Method	Test Result
ISO Viscosity Grade	-	68
Specific Gravity @ 15 °C	ASTM D 4052	0.870
Flash Point, °C	ASTM D 92	222
Pour Point , °C	ASTM D 97	-15
Kinematic Viscosity, cSt @ 40°C	ASTM D 445	69.1
cSt @ 100°C	ASTM D 445	8.96
Viscosity Index	ASTM D 2270	103
Color	ASTM D 1500	1.0

AVAILABLE IN PAIL & DRUM



GROUP 1 GROUP 2 **GROUP 2** GROUP 3 GROUP 4
GENERIC MARKET
HITX
BASE OIL

HITX 15W40 CI4

Today's technology trend of diesel engines is towards more environment-conscious products with less gas emission and longer overhaul periods. Coming along with this development, new devices like the Exhaust Gas Recirculation (EGR) rely much more on the performance of the engine oil being used. HITX 15W40 CI4, using only the hydro-treated base oil to maximize protection under severe operating conditions, is well-positioned to address those needs.

Blended from hydro-treated base stocks and a high technology core additive package, HITX 15W40 CI4 Engine oil is truly a universal heavy-duty diesel oil meeting the stringent European ACEA standard as well as American API performance. This means HITX 15W40 CI4 is simply the top player for both the modern North American engines and the top-tier West European engines.

Test Description	Method	Test Result
SAE Viscosity Grade	SAE J 300	15W40
Specific Gravity @ 15 °C	ASTM D 4052	0.876
Flash Point, °C	ASTM D 92	230
Pour Point , °C	ASTM D 97	-27
Kinematic Viscosity, cSt @ 40°C	ASTM D 445	113.8
cSt @ 100°C	ASTM D 445	15.1
Viscosity Index	ASTM D 2270	138
TBN, mgKOH/g	ASTM D 2896	11.2
Color	ASTM D 1500	≤ 2.0

AVAILABLE IN PAIL & DRUM



HITX ZINC FREE HYDRAULIC OIL

HITX Zinc Free Hydraulic Oils offer state-of-the-art formulations that produce a line of universal anti-wear long-life hydraulic oils having all the wear preventive characteristics required for the most severe of applications, including high-pressure vane pumps. It is formulated with an ashless and zinc-free additive package that makes it suitable for pumps containing steel-on-bronze lubrication surfaces and silver plates.

HITX Zinc Free Hydraulic Oils possess excellent thermal and oxidative stability. They can function for much longer operational periods without forming sludge, varnish, or other degradation products, which adversely affect the operation and performance of today's modern hydraulic system components and filtration systems.

HITX Zinc Free Hydraulic Oils have excellent hydrolytic stability, providing protection to all hydraulic system components even in the presence of moisture. Additives used in some hydraulic oils break down under conditions of high temperature and moisture to form acids that can attack copper and its alloys such as brass and bronze.

Test Description	Method	Test Result
ISO Viscosity Grade	-	68
Specific Gravity @ 15 °C	ASTM D 4052	0.884
Flash Point, °C	ASTM D 92	225
Pour Point , °C	ASTM D 97	-12
Kinematic Viscosity, cSt @ 40°C	ASTM D 445	8.6
cSt @ 100°C	ASTM D 445	100
Viscosity Index	ASTM D 2270	100
Color	ASTM D 1500	1.0

HITX HYDRAULIC OIL (WITH ZINC)

HITX Hydraulic Oil HV are petroleum-based fluids recommended for hydraulic systems, transmissions and pumps operating under widely varying conditions and temperatures. The products' high viscosity indices and low pour points provide fluids with low viscosity for proper flow at cold temperatures and exceptional fluid-film strengths at high temperatures.

HITX Hydraulic Oil HV is produced from carefully selected high-quality, highly refined hydro-treated base oil and the addition of a balanced additive system, including a shear stable viscosity index improver in these oils, thereby providing total year-round protection in a variety of applications.

HITX Hydraulic Oil HV protects equipment from rust and corrosion and provides long-term oxidation stability. Anti-wear agents in HITX Hydraulic Oil HV provide protection for all types of hydraulic pumps.

Test Description	Method	Test Result
ISO Viscosity Grade	-	68
Specific Gravity @ 15 °C	ASTM D 4052	0.866
Flash Point, °C	ASTM D 92	210
Pour Point , °C	ASTM D 97	-36
Kinematic Viscosity, cSt @ 40°C	ASTM D 445	66.1
cSt @ 100°C	ASTM D 445	10.6
Viscosity Index	ASTM D 2270	150
Color	ASTM D 1500	<0.5



LITHIUM EP02 GREASE

LITHIUM EP-2 Grease containing ISO 220 mineral base oil, a lithium thickener and oxidation and corrosion inhibitors for use in automotive and industrial applications where specialized products such as EP greases are not required.

LITHIUM EP-2 Grease is for general-purpose automotive applications, industrial ball and roller bearing, and rolling element bearing applications in most environments.

Properties	Specification	Results
Appearance	-	Smooth grease
Colour	-	Yellow Colour
NLGI Classification	-	2
Thickener	-	Lithium Soap
Base Oil	-	Blend Mineral Oils
Worked Penetration	IP50	265
Dropping Point °C	IP132	160 min.



HITX 15W40 CI4

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The additives found in HITX AW 68 Hydraulic Oils enhance the anti-wear characteristics of the fluid. They also inhibit foam from forming in the oil and offer a moderate level of protection against rust and corrosion in the event of water contamination.

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cSt @ 100°C	ASTM D 445	15.1
Viscosity Index	ASTM D 2270	138
TBN, mgKOH/g	ASTM D 2896	11.2
Color	ASTM D 1500	≤ 2.0

Specifications, Approvals & Recommendations:

- DIN 51524 Part I
- DIN 51524 Part II
- Eaton 35VQ25 Pump
- Fives Cincinnati P-68
- Fives Cincinnati P-69
- Fives Cincinnati P-70
- FZG A/8.3/90 load stage 10 pass
- Parker Denison HF-0
- Parker Denison HF-1
- Parker Denison HF-2
- Parker Denison T6H20C Hybrid Pump



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