



**High performance high viscosity index(VI) anti-wear hydraulic oils for civil works and construction machineries**

### APPLICATIONS

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|---------------------------|---|
| <b>Hydraulic circuits</b> | • All hydraulic systems working at high temperature and pressure  |
| <b>Hydraulic motors</b>   | • Lubricants particularly suitable for machinery working outdoor with considerable differences in operating temperatures: public works, construction, quarries, handling..... |
| <b>Jacks</b>              | • Easy start at very low temperature and steady operation throughout the year   |

*Refer to the maintenance book of your vehicle to know the recommendation of the manufacturer*

### PERFORMANCES

- |   |   |
|---|---|
| <b>Complies with the following international specifications :</b> | <ul style="list-style-type: none"> <li>• AFNOR NF E 48-603 HV</li> <li>• ISO 6743/4 HV</li> <li>• DIN 51524 P3 HVLP</li> <li>• VICKERS M-2950S</li> </ul> |
|---|---|

### CUSTOMER BENEFITS

- |                                   |   |
|-----------------------------------|---|
| <b>Long equipment life time</b>   | <ul style="list-style-type: none"> <li>• Very high viscosity index</li> <li>• Good shear stability.</li> <li>• Superior thermal stability avoiding the formation of sludge even at high temperature.</li> <li>• Very good oxidation stability ensuring a long service life of the fluid.</li> <li>• High protection against wear insuring maximum equipment life.</li> </ul>  |
| <b>High operating reliability</b> | <ul style="list-style-type: none"> <li>• Excellent hydrolytic stability avoiding filter blocking.</li> <li>• Remarkable filterability even in the presence of water.</li> <li>• Excellent protection against rust and corrosion.</li> <li>• Good anti-foam and air release properties by using silicon free components.</li> <li>• Very low pour point.</li> <li>• Good demulsibility ensuring rapid water separation.</li> </ul> |

### CHARACTERISTICS

Test Descriptions	Method	Units	32	46	68
Density at 15°C	ASTM D4052	Kg/m <sup>3</sup>	854	862	866
Viscosity at 40°C	ASTM D445	mm <sup>2</sup> /s	32	46	68
Viscosity at 100°C	ASTM D445	mm <sup>2</sup> /s	6.7	8.2	11.6
Viscosity index	ASTM D2270	-	173	166	166
Pour point	ASTM D97	°C	-36	-33	-30
Flash point	ASTM D92	°C	213	234	239

*The typical characteristics mentioned represent mean values*