

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

Machine Id **5507** Component **Diesel Engine** Fluid **DIESEL ENGINE OIL SAE 5W40 (--- LTR)**

RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 5W40. Please confirm. Please specify the component make and model with your next sample.



All component wear rates are normal.

CONTAMINATION

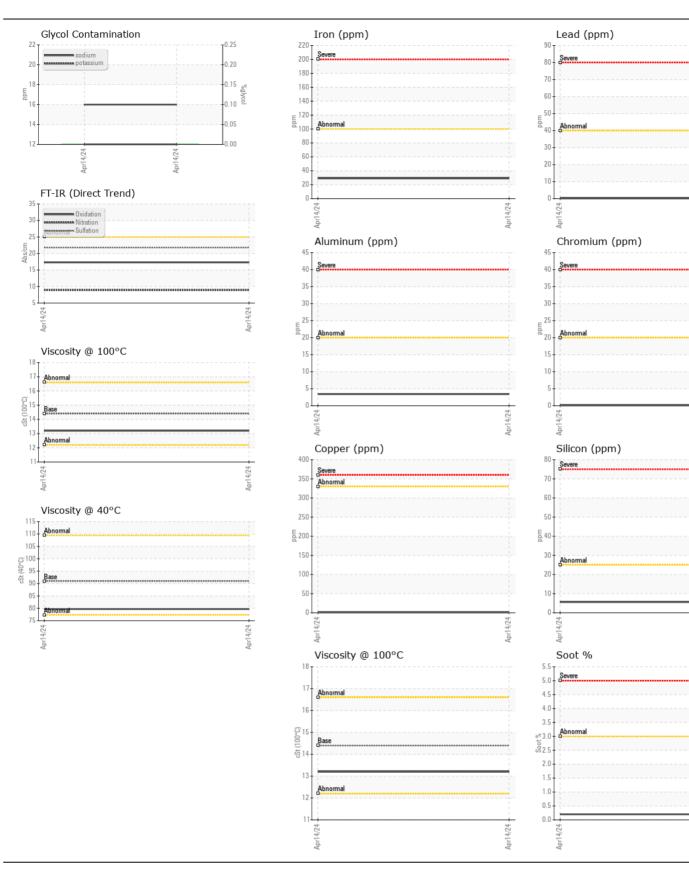
There is no indication of any contamination in the oil.

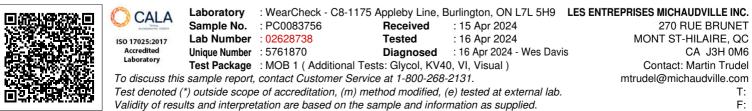
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FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Test UOM Method Limit/Abn Current History1 History2 Sample Dumber Client Info 14 Apr 2024 Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Oil Age hrs Client Info N/A Oil Changed Client Info N/A Sample Data Client Info N/A Silver ppm ASTM 05185(m) >100 29 Nickel pm ASTM 05185(m) >40 Silver ppm ASTM 05185(m) >40 Aluminum pm ASTM 05185(m) >20 3 Auerium ppm ASTM 05185(m) >30 1 Aluminum ppm <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>							
Sample Date Client Info 14 Apr 2024 Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Oil Age hrs Client Info 0 Oil Changed Client Info N/A Sample Status NORMAL Iron ppm ASTM05185(m) >20 -1 Chromium ppm ASTM05185(m) >20 3 Silver ppm ASTM05185(m) >20 3 Aluminum ppm ASTM05185(m) >20 3 Vanadium ppm ASTM05185(m) >20 3 Vanadium ppm ASTM05185(m) >20 12 Vanadium ppm ASTM05185(m)	Test	UOM	Method	Limit/Abn	Current	History1	History2
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Chromium ppm ASTM D5185(m) >20 <1	Sample Status				NORMAL		
Chromium ppm ASTM DS185(m) >20 <1							
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$\begin{array}{ c c c c c c c } \hline Appearance & scalar & Visual^* & NORML & NORML & & \\ \hline Odor & scalar & Visual^* & NORML & NORML & & \\ \hline Emulsified Water & scalar & Visual^* & >0.2 & NEG & & \\ \hline Burling & ppm & ASTM D5185(m) & >44 & 16 & & \\ \hline Boron & ppm & ASTM D5185(m) & 250 & 120 & & \\ \hline Barium & ppm & ASTM D5185(m) & 10 & 0 & & \\ \hline Molybdenum & ppm & ASTM D5185(m) & 100 & 2 & & \\ \hline Manganese & ppm & ASTM D5185(m) & 450 & 88 & & \\ \hline Magnesium & ppm & ASTM D5185(m) & 450 & 88 & & \\ \hline Phosphorus & ppm & ASTM D5185(m) & 1150 & 889 & & \\ \hline Sulfur & ppm & ASTM D5185(m) & 1350 & 1063 & & \\ \hline Oxidation & Abs/.1mm & ASTM D5185(m) & 4250 & 2617 & & \\ \hline Visc @ 40°C & cSt & ASTM D7279(m) & 14.4 & 13.2 & & \\ \hline Visc @ 100°C & cSt & ASTM D7279(m) & 14.4 & 13.2 & & \\ \hline \end{array}$							
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Magnesium ppm ASTM D5185(m) 450 88 Calcium ppm ASTM D5185(m) 3000 1945 Phosphorus ppm ASTM D5185(m) 1150 889 Zinc ppm ASTM D5185(m) 1350 1063 Sulfur ppm ASTM D5185(m) 4250 2617 Oxidation Abs/.1mm ASTM D7141* >25 17.3 Visc @ 40°C cSt ASTM D7279(m) 91 79.7 Visc @ 100°C cSt ASTM D7279(m) 14.4 13.2			ASTM D5185(m)		<1		
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Visc @ 100°C cSt ASTM D7279(m) 14.4 13.2	Visc @ 40°C	cSt	ASTM D7279(m)	91	79.7		
Viscosity Index (VI) Scale ASTM D2270* 164 167	Visc @ 100°C				13.2		
	Viscosity Index (VI)	Scale	ASTM D2270*	164	167		





Contact/Location: Martin Trudel - LES270MON Page 2 of 2