



[TECHNICORE] 116005 - Diesel Engine

Sample No: LH0270479

Oil Type: PETRO CANADA SUPREME 5W30

	PLE INF	ORMATION		
Sample Number		LH0270479	LH0251740	
Sample Date		27 Sep 2023	06 Apr 2023	
Machine Hours		7090	6553	
Oil Hours		0	0	
Oil Changed		N/A	Changed	
Sample Status		NORMAL	NORMAL	
		~ 11		
OILC	ONDITI	ON		
Visc @ 100°C	cSt	0 11.8	13.0	
Oxidation (PA)	%	69	78	
-				

CON'	TAMIN/	ATION		
Soot %	%	0	0	
Nitration (PA)	%	65	80	
Sulfation (PA)	%	55	55	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	<1.0	
Silicon	ppm	3	0 4	
Sodium	ppm	07	01	
Potassium	ppm	○ <1	0	

WEAR METALS

Iron	ppm	03	6	
Copper	ppm	01	03	
Lead	ppm	0	◯ <1	
Tin	ppm	0 (○ <1	
Aluminum	ppm	01	2	
Chromium	ppm	0 (○ <1	
Molybdenum	ppm	0 60	59	
Nickel	ppm	0 (○ <1	
Titanium	ppm	0	<1	
Silver	ppm	○ <1	0 (
Manganese	ppm	0	◯ <1	
Vanadium	ppm	0	0	

٥

Calcium	ppm	944	0 1150				
Magnesium	ppm	0 1074	966				
Zinc	ppm	0 1226	0 1216				
Phosphorus	ppm	O 1010	0 1101				
Barium	ppm	◯ <1	0				
Boron	ppm	0 39	03				

LIEBHERR CANADA LTD.

1015 SUTTON DRIVE BURLINGTON, ON CA L7L 5Z8 Contact: Joseph Gillis joseph.gillis@liebherr.com T: F: (905)319-6622

Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

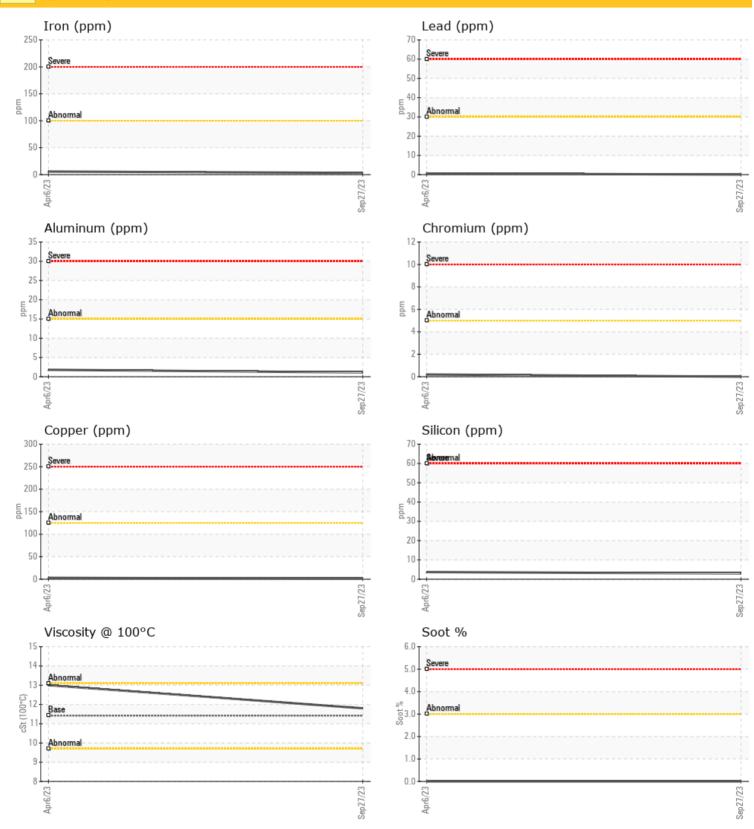
Depot:LIEMISUnique No:5656174Signed:Wes DavisReport Date:05 Oct 2023





GRAPHS

 \odot



Report Id: LIEMIS [WCAMIS] 02587108 (Generated: 10/05/2023 15:23:59) Rev: 1

Contact/Location: Joseph Gillis - LIEMIS