OIL ANALYSIS REPORT

VANCOUVER READY MIX R461282 WESTERN STAR 3BHJBZDRXRDVB0854 - DIESEL ENGINE

Sample No: VPA060270

Oil Type: {unknown}

SAMPLE INFORMATION

Sample Number		VPA060270			
Sample Date		07 Dec 2023			
Machine Hours		0			
Oil Hours		0			
Oil Changed		N/A			
Sample Status		NORMAL			
OIL CONDITION					
Visc @ 100°C	cSt	11.3			
Oxidation (PA)	%	58			
CONTAMINATION					
Water	%	NEG			
Soot %	%	0			
Nitration (PA)	%	48			
Sulfation (PA)	%	53			
Glycol	%	NEG			
Fuel	%	0.5			
Silicon	ppm	10			
Sodium	ppm	3			
Potassium	ppm	9			
WEAR METALS					
		<i>•</i>			
Iron	ppm	■6			
Copper	ppm	30			
Lead	ppm	■ <1			
Tin Aluminum	ppm	∎1			
Chromium	ppm	6			
Molybdenum	ppm	□ <1 □ 64			
Nickel	ppm	■ 04 ■ <1			
Titanium	ppm ppm	0			
Silver	ppm	■<1			
Manganese	ppm	0			
Vanadium	ppm	0			
vanualum	Phili	v			
ADDITIVES					
Calcium	ppm	1025			
Magnesium	ppm	1124			
Zinc	ppm	1255			



CULLEN DIESEL POWER - 695335 9300 192 ST SURREY, BC CA V4N 3R8 Contact: Michelle Sayers mns@cullendiesel.com

T: (604)888-1211 F:

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.All component wear rates are normal. Fuel content negligible. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no

indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.

 Depot:
 CULSUR

 Unique No:
 5696147

 Signed:
 Kevin Marson

 Report Date:
 18 Dec 2023

1040

|| <1

105

ppm

ppm

ppm

Phosphorus

Barium

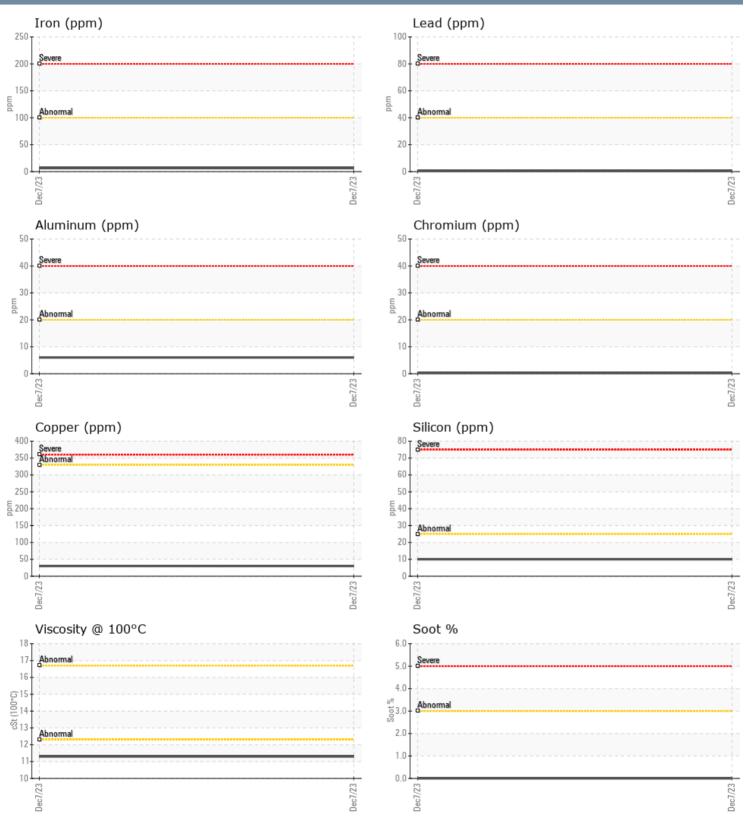
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Contact/Location: Michelle Sayers - CULSUR

OIL ANALYSIS REPORT



GRAPHS



Report Id: CULSUR [WCAMIS] 02603062 (Generated: 12/18/2023 08:52:14) Rev: 1

Contact/Location: Michelle Sayers - CULSUR