

Machine Id **2343** Component **Diesel Engine** Fluid **DIESEL ENGINE OIL SAE 5W30 (--- QTS)**

RECOMMENDATION

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

Cylinder, crank, or cam shaft wear is indicated.

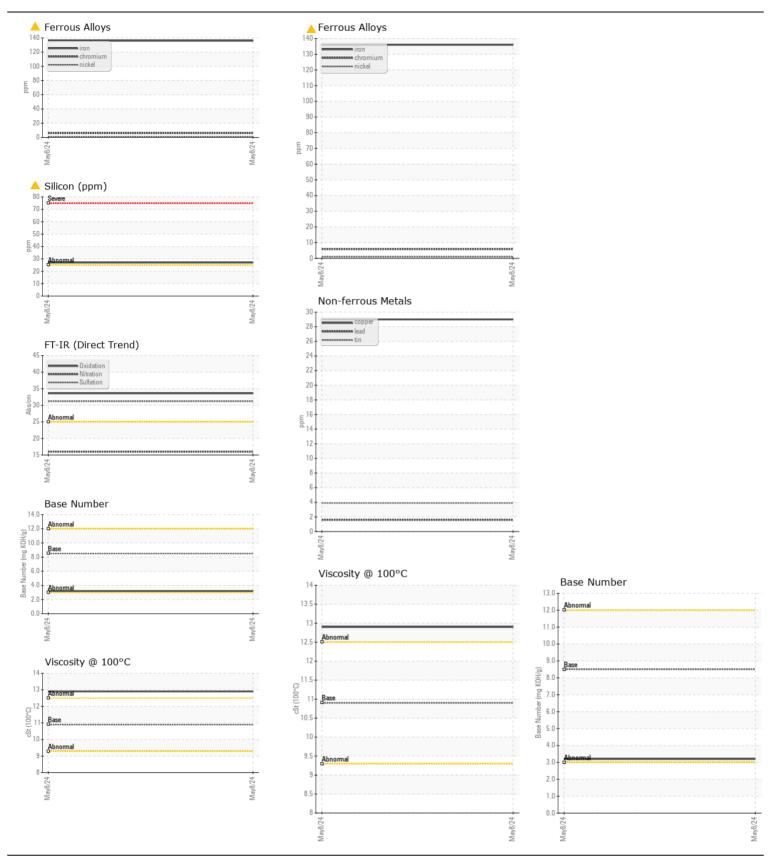
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Elemental level of silicon (Si) above normal indicating ingress of seal material. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components.

Test UOM Method Limit/Abn Current History1 History2 Sample Number Client Info 08 May 2024 Machine Age mls Client Info 124673 Machine Age mls Client Info 50000 Filter Age mls Client Info S0000 Gli Changed Client Info Changed Gli Changed Client Info Changed Sample Status ASTM D5185m >20 6 Iron ppm ASTM D5185m >20 6 Silver ppm ASTM D5185m >20 48 Silver ppm ASTM D5185m >20 48 Auminum ppm ASTM D5185m >20 4								
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Molybdenum ppm ASTM D5185m 100 34	Barium		ASTM D5185m	10		1		
	Molybdenum		ASTM D5185m	100		34		
	Manganese	ppm	ASTM D5185m			4		
Magnesium ppm ASTM D5185m 450 1166	Magnesium	ppm	ASTM D5185m	450		1166		
Calcium ppm ASTM D5185m 3000 1775	Calcium	ppm	ASTM D5185m	3000		1775		
Phosphorus ppm ASTM D5185m 1150 1142	Phosphorus		ASTM D5185m	1150		1142		
Zinc ppm ASTM D5185m 1350 1404	Zinc	ppm	ASTM D5185m	1350		1404		
Sulfur ppm ASTM D5185m 4250 4487	Sulfur	ppm	ASTM D5185m	4250		4487		
Oxidation Abs/.1mm *ASTM D7414 >25 33.6	Oxidation	Abs/.1mm	*ASTM D7414	>25		33.6		
Base Number (BN) mg KOH/g ASTM D2896 8.5 3.2	Base Number (BN)	mg KOH/g	ASTM D2896	8.5		3.2		
Visc @ 100°C cSt ASTM D445 10.9 12.9	Visc @ 100°C	cSt	ASTM D445	10.9		12.9		

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.



MABE TRUCKING Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. Received PO BOX 1081 : HRE0000237 : 13 May 2024 Lab Number : 06178145 EDEN, NC Tested : 14 May 2024 : 15 May 2024 - Sean Felton Unique Number : 11029471 US 27289 Diagnosed Test Package : FLEET Contact: MAINTENANCE Certificate L2367 maintenancemanager@mabetrucking.com To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (336)635-1791

Contact/Location: MAINTENANCE ? - MABEDE Page 2 of 2