

Machine Id **1451** Component **Diesel Engine** Fluid **DIESEL ENGINE OIL SAE 15W40 (--- QTS)**

RECOMMENDATION

We advise that you check the fuel injection system. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition.

WEAR

All component wear rates are normal.

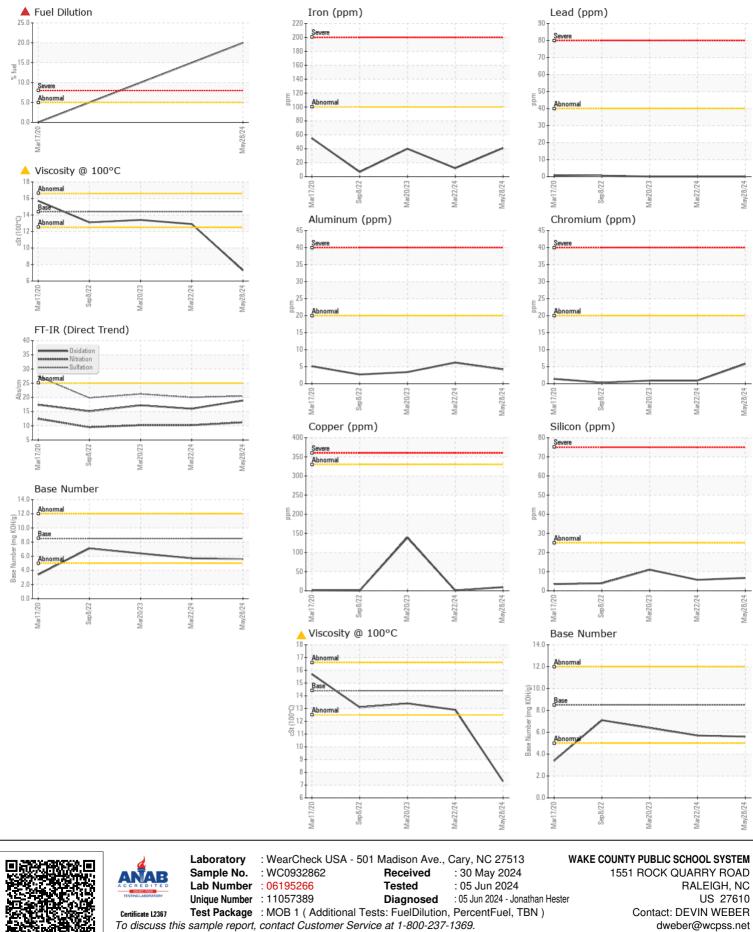
CONTAMINATION

There is a high amount of fuel present in the oil.

FLUID CONDITION

Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable due to the presence of contaminants.

Sample Date Client Info 28 May 2024 22 Mar 2024 20 Mar 2024 Machine Age mls Client Info 174087 170147 154173 Oil Age mls Client Info 0 0 0 Filter Age mls Client Info Not Changd Not Changd Not Changd Filter Changed Client Info Not Changd Not Changd Not Changd Not Changd Sample Status Client Info Not Changd Not Changd Not Changd Not Changd Iron ppm ASTM D5185m<>100 41 12 40 Chromium ppm ASTM D5185m >20 6 <1 <1 Nickel ppm ASTM D5185m >40 0 <1 0 Silver ppm ASTM D5185m >33 0 <1 0 Aluminum ppm ASTM D5185m >330 9 <1 139 Tin ppm ASTM D5185m >15 <1 <1							
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Magnesium ppm ASTM D5185m 450 97 110 124 Calcium ppm ASTM D5185m 3000 1223 1933 2279 Phosphorus ppm ASTM D5185m 1150 634 961 982 Zinc ppm ASTM D5185m 1350 736 1162 1271 Sulfur ppm ASTM D5185m 4250 2373 3682 3732 Oxidation Abs/.1mm *ASTM D2896 8.5 5.6 5.7 6.4	Molybdenum	ppm	ASTM D5185m	100	49	82	73
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Sulfur ppm ASTM D5185m 4250 2373 3682 3732 Oxidation Abs/.1mm *ASTM D7414 >25 18.9 16.0 17.2 Base Number (BN) mg KOH/g ASTM D2896 8.5 5.6 5.7 6.4	Phosphorus	ppm	ASTM D5185m	1150	634	961	982
Sulfur ppm ASTM D5185m 4250 2373 3682 3732 Oxidation Abs/.1mm *ASTM D7414 >25 18.9 16.0 17.2 Base Number (BN) mg KOH/g ASTM D2896 8.5 5.6 5.7 6.4	Zinc	ppm	ASTM D5185m	1350	736	1162	1271
Base Number (BN) mg KOH/g ASTM D2896 8.5 5.6 5.7 6.4	Sulfur	ppm	ASTM D5185m	4250	2373	3682	3732
	Oxidation	Abs/.1mm	*ASTM D7414	>25	18.9	16.0	17.2
	Base Number (BN)	mg KOH/g	ASTM D2896	8.5	5.6	5.7	6.4
	Visc @ 100°C		ASTM D445		A 7.3		



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.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: DEVIN WEBER - WCPRAL Page 2 of 2

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