

Machine Id 23566 **Diesel Engine** DIESEL ENGINE OIL SAE 15W40 (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

Metal levels are typical for a new component breaking in.

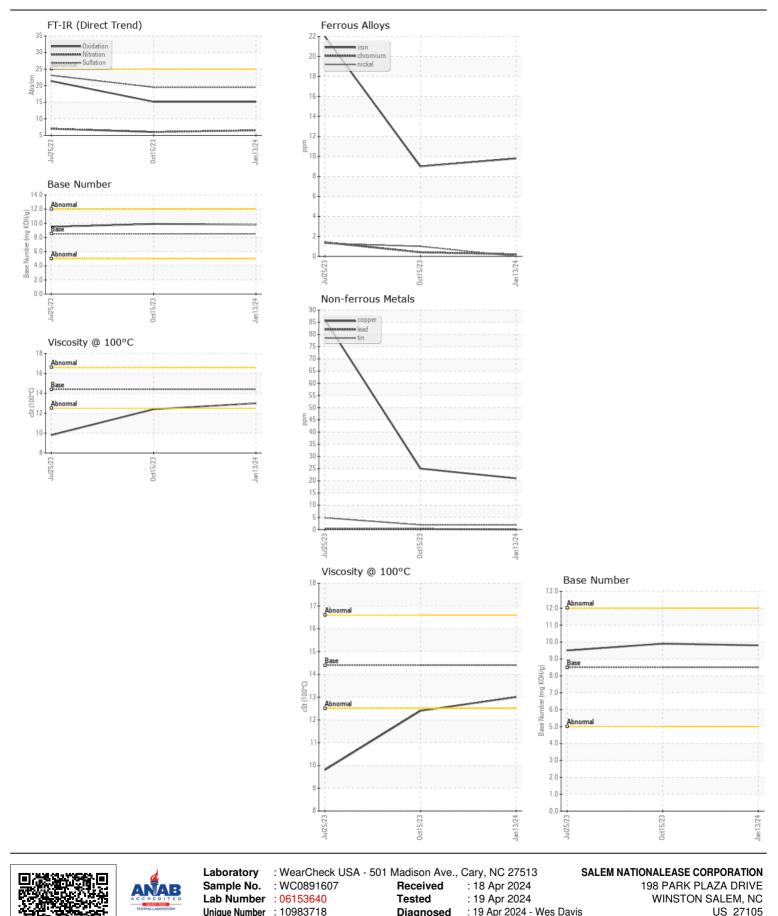
CONTAMINATION

Elevated aluminum (AI) 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.

Test UOM Method Limit/An Current History1 History2 Sample Number Client Info WC0891607 WC0801085 WC0801085 Sample Date Client Info 0 0 0 0 Oil Age mis Client Info 0 0 0 0 Oil Changed Client Info Changed N/A N/A Filter Age mis Client Info Changed N/A Sample Status Client Info Changed N/A Tron ppm ASTM D5155m >40 0 1 1 Titanium ppm ASTM D5155m >4 0 1 1 Silver ppm ASTM D5155m >20 4 9 48 Lead ppm ASTM D5155m >40 0 0 0 Yanadium ppm ASTM D5155m >40 0 0 0 Yanadium ppm ASTM D5155m >10								
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Zinc ppm ASTM D5185m 1350 1246 1149 925 Sulfur ppm ASTM D5185m 4250 3725 3077 2727 Oxidation Abs/.tmm *ASTM D7414 >25 15.1 15.1 21.4 Base Number (BN) mg KOH/g ASTM D2896 8.5 9.8 9.9 9.5		Calcium	ppm	ASTM D5185m	3000	1084	1103	1639
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Base Number (BN) mg KOH/g ASTM D2896 8.5 9.8 9.9 9.5		Sulfur	ppm	ASTM D5185m	4250	3725	3077	2727
		Oxidation	Abs/.1mm	*ASTM D7414	>25	15.1	15.1	21.4
Visc @ 100°C cSt ASTM D445 14.4 (13.0) 12.4 9.8		()	mg KOH/g	ASTM D2896	8.5	9.8	9.9	9.5
		Visc @ 100°C	cSt	ASTM D445	14.4	13.0	12.4	9.8

FLUID CONDITION

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



Diagnosed Unique Number : 10983718 : 19 Apr 2024 - Wes Davis Test Package : FLEET **Contact: Audrey Hopkins** Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. Audrey.Hopkins@salemcorp.com * - 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: Audrey Hopkins - SALWIN Page 2 of 2

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F: x: