

Machine Id Miltk48 Component Diesel Engine Fluid DIESEL ENGINE OIL SAE 40 (--- GAL)

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.

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.

TestUOMMethodLimit/AbCurrentHistory1History2Sample NumberClient InfoSBP0006872SBP006872SBP0068768SBP006876SBP006876SBP0068768<							
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Zinc ppm ASTM D5185m 1350 1270 1508 1208 Sulfur ppm ASTM D5185m 4250 3562 4025 3436 Oxidation Abs/.1mm *ASTM D7414 >25 14.0 14.6 14.2 Base Number (BN) mg KOH/g ASTM D2896 8.5 8.6 8.3 8.7	Calcium	ppm	ASTM D5185m	3000	1066	1270	1051
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Oxidation Abs/.1mm *ASTM D7414 >25 14.0 14.6 14.2 Base Number (BN) mg KOH/g ASTM D2896 8.5 8.6 8.3 8.7	Zinc	ppm	ASTM D5185m	1350	1270	1508	1208
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	Oxidation	Abs/.1mm	*ASTM D7414	>25	14.0	14.6	14.2
Visc @ 100°C cSt ASTM D445 14.4 (13.8) 13.7 13.7	Base Number (BN)	mg KOH/g	ASTM D2896	8.5	8.6	8.3	8.7
	Visc @ 100°C	cSt	ASTM D445	14.4	13.8	13.7	13.7

WEAR

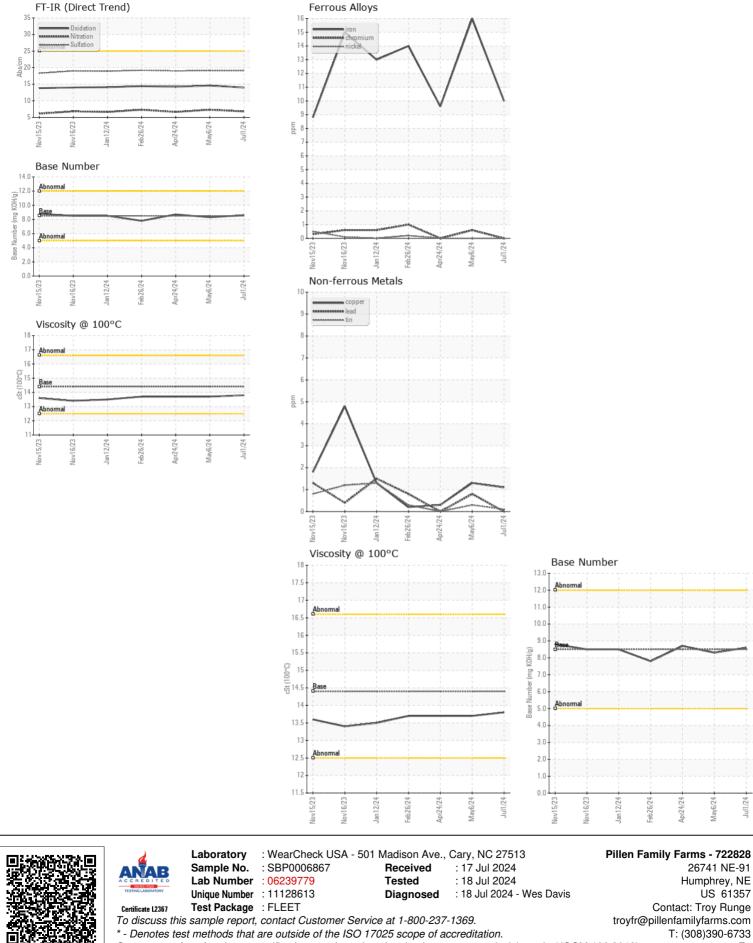
CONTAMINATION

FLUID CONDITION

NORMAL

NORMAL

NORMAL



* - 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)

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