

OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id **CATERPILLAR 5086** Component **Diesel Engine**

Fluid

DIESEL ENGINE OIL SAE 40 (--- GAL)

SAMPLE INFORMATION method

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

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.

Sample Number Sample Date Machine Age Oil Age Oil Changed Sample Status	hrs hrs	Client Info Client Info Client Info Client Info Client Info		WC0858470 08 Apr 2024 30042 0 N/A NORMAL	WC0900080 31 Jan 2024 29546 0 N/A NORMAL	
CONTAMINATION	١	method	limit/base	current	history1	history2
Fuel Water		WC Method WC Method	>5 >0.2	<1.0 NEG	<1.0 NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron Chromium Nickel Titanium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>100 >20 >2 >2	21 <1 0 0	14 <1 0 <1	
Silver Aluminum	ppm ppm	ASTM D5185m ASTM D5185m	>2 >25	0 5	0	
Copper Tin	ppm ppm	ASTM D5185m ASTM D5185m	>40 >330 >15	<1 <1	<1	
Vanadium Cadmium	ppm ppm	ASTM D5185m ASTM D5185m		<1 0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	250 10 100 450	7 0 54 <1 814	4 0 56 <1 884	
Calcium Phosphorus Zinc	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	3000 1150 1350	1227 1009 1180	1155 1005 1241	
	ppm	ASTM D5185m	4250	3720	3147	
Silicon Sodium Potassium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>25 >216 >20	10 4 22	11 3 6	
	/0	method	limit/base	current	history1	hietory2
Soot % Nitration Sulfation FLUID DEGRADA	% Abs/cm Abs/.1mm	*ASTM D7844 *ASTM D7624 *ASTM D7415 method	>3 >20 >30 limit/base	0.5 8.1 19.1 current	0.2 7.0 16.3 history1	 history2
Oxidation Base Number (BN)	Abs/.1mm mg KOH/g	*ASTM D7414 ASTM D2896	>25 8.5	14.8 8.1	11.7 6.9	



OIL ANALYSIS REPORT



Report Id: INT110NEW [WUSCAR] 06150899 (Generated: 04/20/2024 00:02:37) Rev: 1

Contact/Location: Robert Witynski - INT110NEW