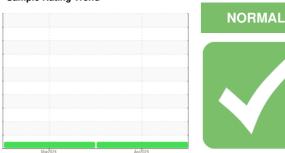


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

CATERPILLAR 5669

Diesel Engine

DIESEL ENGINE OIL SAE 40 (--- GAL)

Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the

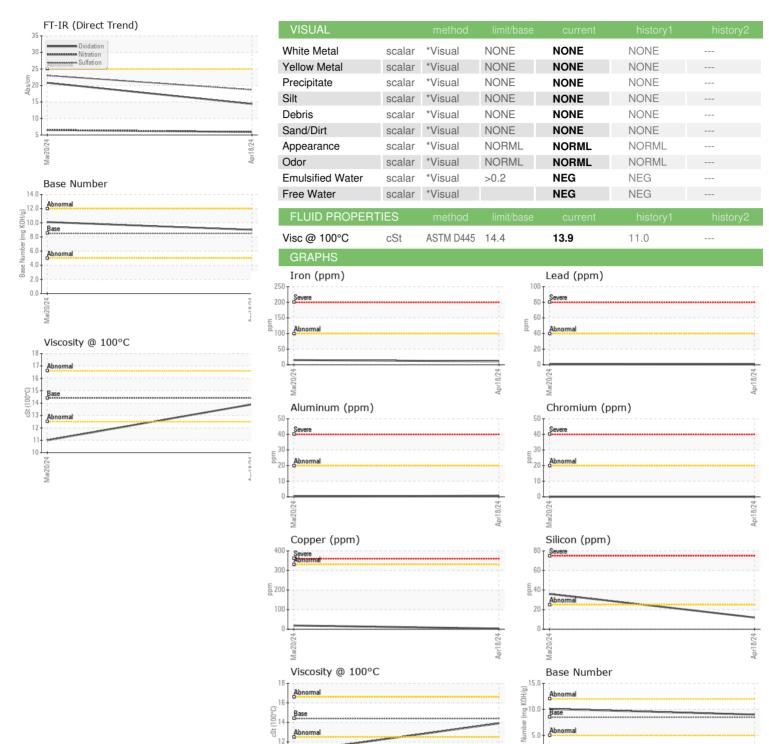
Fluid Condition

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

			Mar2024	Apr2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0864833	WC0864861	
Sample Date		Client Info		18 Apr 2024	20 Mar 2024	
Machine Age	hrs	Client Info		487	250	
Oil Age	hrs	Client Info		250	250	
Oil Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	NORMAL	
CONTAMINATION	٧	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	0.3	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	11	15	
Chromium	ppm	ASTM D5185m	>20	0	0	
Nickel	ppm	ASTM D5185m	>4	0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m	>3	0	0	
Aluminum	ppm	ASTM D5185m	>20	<1	<1	
Lead	ppm	ASTM D5185m	>40	<1	<1	
Copper	ppm	ASTM D5185m	>330	4	19	
Tin	ppm	ASTM D5185m	>15	<1	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	10	67	
Barium	ppm	ASTM D5185m	10	<1	5	
Molybdenum	ppm	ASTM D5185m	100	59	51	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m	450	894	554	
Calcium	ppm	ASTM D5185m	3000	1277	1792	
Phosphorus	ppm	ASTM D5185m	1150	1072	1005	
Zinc	ppm	ASTM D5185m	1350	1265	1120	
Sulfur	ppm	ASTM D5185m	4250	3736	3453	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	12	36	
Sodium	ppm			2	5	
Potassium	ppm	ASTM D5185m	>20	0	2	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.3	0.2	
Nitration	Abs/cm	*ASTM D7624	>20	5.9	6.5	
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.7	23.0	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.4	20.8	
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	9.0	10.1	



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: WC0864833 Lab Number : 06161191 Unique Number : 10996614

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 26 Apr 2024

Tested : 26 Apr 2024 Diagnosed Test Package : MOB 1 (Additional Tests: TBN)

: 26 Apr 2024 - Wes Davis

0.0

BRIDGEWATER, NJ US 08807 Contact: PABLO CHARDON PChardon@interstatewaste.com T: (609)366-7431

15 POLHEMUS LANE

INTERSTATE WASTE-BRIDGEWATER

* - 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)