

OIL ANALYSIS REPORT

Sample Rating Trend **WEAR**



CATERPILLAR 980M L56

Component **Front Right Final Drive**

PETRO CANADA PRODURO TO-4 SAE 50 (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

Gear wear is indicated.

Contamination

There is no indication of any contamination in the oil.

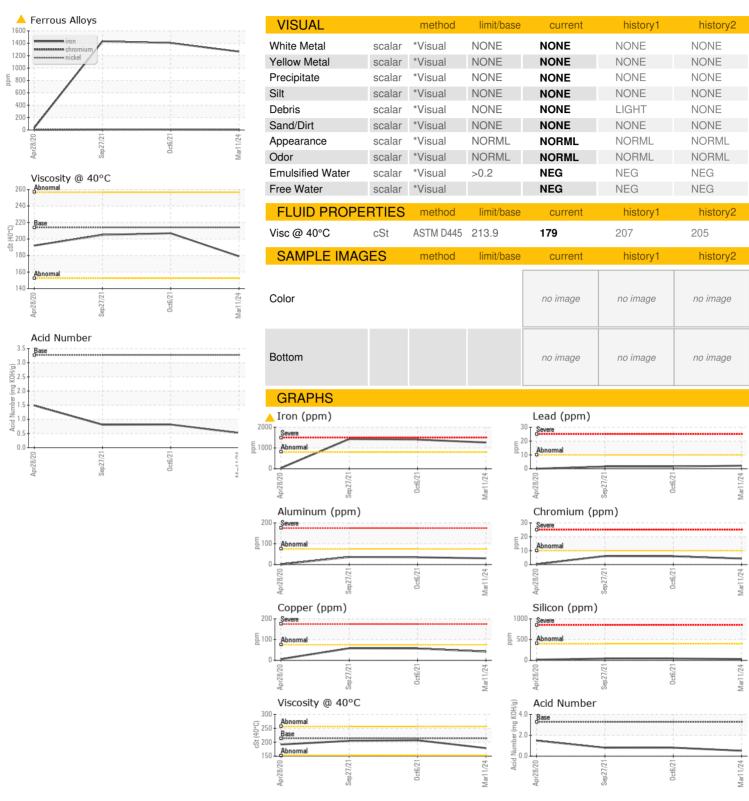
Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in

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SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0118513	PCA0016895	PCA0016887
Sample Date		Client Info		11 Mar 2024	06 Oct 2021	27 Sep 2021
Machine Age	hrs	Client Info		16346	96111	9611
Oil Age	hrs	Client Info		2183	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>800	1265	<u> </u>	▲ 1432
Chromium	ppm	ASTM D5185m	>10	4	6	6
Nickel	ppm	ASTM D5185m	>5	2	2	2
Titanium	ppm	ASTM D5185m	>15	<1	<1	<1
Silver	ppm	ASTM D5185m	>2	0	<1	<1
Aluminum	ppm	ASTM D5185m	>75	30	△ 35	△ 36
Lead	ppm	ASTM D5185m	>10	2	2	2
Copper	ppm	ASTM D5185m	>75	42	△ 57	<u></u> 58
Tin	ppm	ASTM D5185m	>8	<1	1	1
Antimony	ppm	ASTM D5185m	>50		0	<1
Vanadium	ppm	ASTM D5185m		<1	<1	<1
Cadmium	ppm	ASTM D5185m		<1	<1	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	16	2	2
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	2	2
Manganese	ppm	ASTM D5185m	0	19	19	19
Magnesium	ppm	ASTM D5185m	9	48	57	58
Calcium	ppm	ASTM D5185m	3114	3302	3393	3485
Phosphorus	ppm	ASTM D5185m	1099	903	1051	1063
Zinc	ppm	ASTM D5185m	1245	968	1256	1282
Sulfur	ppm	ASTM D5185m	7086	6285	6204	6276
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>400	32	44	44
Sodium	ppm	ASTM D5185m		<1	2	2
Potassium	ppm	ASTM D5185m	>20	0	0	0
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	3.27	0.520	0.816	0.809



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Certificate L2367

Laboratory Sample No. Lab Number

: 06121004 Unique Number: 10929837 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0118513 Received : 18 Mar 2024 **Tested**

: 19 Mar 2024 : 20 Mar 2024 - Don Baldridge Diagnosed

SCRAP METAL SERVICES (SMS Mill Services LLC)

1500 COMMERCIAL AVE MINGO JUNCTION, OH US 43938

Contact: FRANK NALLY fnally@scrapmetalservices.com

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)

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