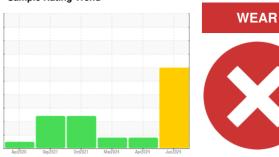


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

L-56

Component Front Right Final Drive

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

DIAGNOSIS

▲ Recommendation

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

▲ Wear

Gear wear is indicated.

Contamination

There is no indication of any contamination in the

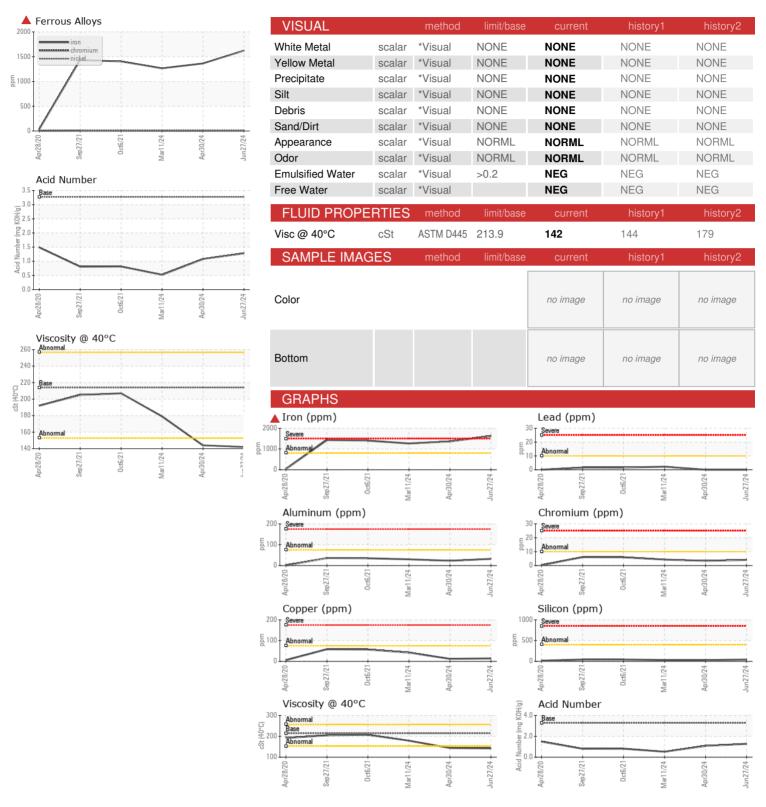
Fluid Condition

The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

GAL)		Apr2020	Sep2021 Oct202	Mar2024 Apr2024	Jun2024	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0128795	PCA0118473	PCA0118513
Sample Date		Client Info		27 Jun 2024	30 Apr 2024	11 Mar 2024
Machine Age	hrs	Client Info		17836	16917	16346
Oil Age	hrs	Client Info		500	500	2183
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				SEVERE	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
ron	ppm	ASTM D5185m	>800	1623	<u> </u>	<u> </u>
Chromium	ppm	ASTM D5185m	>10	4	3	4
Nickel	ppm	ASTM D5185m	>5	2	0	2
Titanium	ppm	ASTM D5185m	>15	1	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>75	32	23	30
_ead	ppm	ASTM D5185m	>10	0	0	2
Copper	ppm	ASTM D5185m	>75	14	12	42
Γin	ppm	ASTM D5185m	>8	<1	0	<1
Antimony	ppm	ASTM D5185m	>50			
√anadium	ppm	ASTM D5185m		<1	0	<1
Cadmium	ppm	ASTM D5185m		<1	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	210	239	16
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	<1
Manganese	ppm	ASTM D5185m	0	24	20	19
Magnesium	ppm	ASTM D5185m	9	44	35	48
Calcium	ppm	ASTM D5185m	3114	244	404	3302
Phosphorus	ppm	ASTM D5185m	1099	1044	976	903
Zinc	ppm	ASTM D5185m	1245	37	111	968
Sulfur	ppm	ASTM D5185m	7086	22594	20036	6285
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>400	43	30	32
Sodium	ppm	ASTM D5185m		2	<1	<1
Potassium	ppm	ASTM D5185m	>20	<1	0	0
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	3.27	1.28	1.08	0.520



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number : 06226420 Unique Number : 11109913 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0128795 Received : 02 Jul 2024 Tested

: 03 Jul 2024 Diagnosed

: 05 Jul 2024 - Don Baldridge

US 43938 Contact: FRANK NALLY fnally@scrapmetalservices.com

1500 COMMERCIAL AVE

MINGO JUNCTION, OH

SCRAP METAL SERVICES (SMS Mill Services LLC)

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

T:

F: