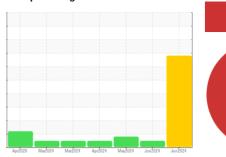


OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id

L-56

Rear Differential

Fluid

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

A sharp increase in the iron level is noted. Gear wear is indicated.

Contamination

There is no indication of any contamination in the oil.

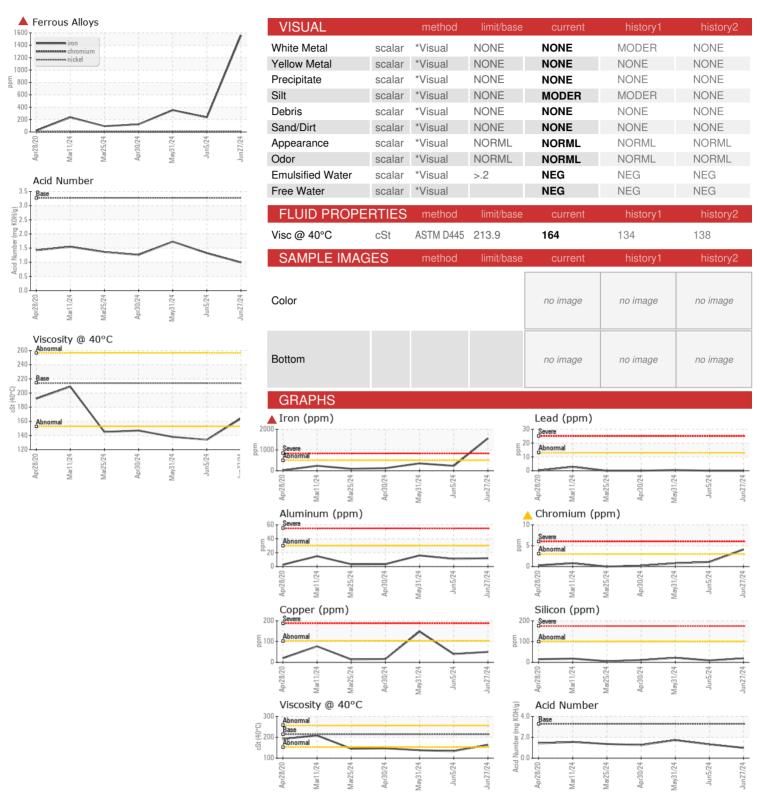
Fluid Condition

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

SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0128746	PCA0123794	PCA0123765
Sample Date		Client Info		27 Jun 2024	05 Jun 2024	31 May 2024
Machine Age	hrs	Client Info		17836	17415	17374
Oil Age	hrs	Client Info		500	34	250
Oil Changed		Client Info		Not Changd	Changed	Changed
Sample Status				SEVERE	NORMAL	ABNORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>.2	NEG	NEG	NEG
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	1559	236	353
Chromium	ppm	ASTM D5185m	>3	<u> 4</u>	1	<1
Nickel	ppm	ASTM D5185m	>3	3	<1	<1
Titanium	ppm	ASTM D5185m	>2	<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>30	12	11	16
Lead	ppm	ASTM D5185m	>13	0	0	<1
Copper	ppm	ASTM D5185m	>103	50	40	<u></u> 148
Tin	ppm	ASTM D5185m	>5	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	16	12	191
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	2	6	0
Manganese	ppm	ASTM D5185m	0	14	2	3
Magnesium	ppm	ASTM D5185m	9	25	37	<1
Calcium	ppm	ASTM D5185m	3114	3066	2336	397
Phosphorus	ppm	ASTM D5185m	1099	917	829	896
Zinc	ppm	ASTM D5185m	1245	1028	981	128
Sulfur	ppm	ASTM D5185m	7086	5339	4476	28112
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>100	19	10	22
Sodium	ppm	ASTM D5185m		1	<1	2
Potassium	ppm	ASTM D5185m	>20	<1	1	<1
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	3.27	0.99	1.32	1.73



OIL ANALYSIS REPORT





Certificate 12367

Laboratory Sample No.

: PCA0128746 Lab Number : 06226415 Unique Number : 11109908 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 02 Jul 2024 : 03 Jul 2024 Tested

Diagnosed

: 05 Jul 2024 - Don Baldridge

1500 COMMERCIAL AVE MINGO JUNCTION, OH

US 43938 Contact: FRANK NALLY fnally@scrapmetalservices.com

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: