

# **OIL ANALYSIS REPORT**

Sample Rating Trend



L-56 Component Rear Left Final Drive Fluid PETRO CANADA PRODURO TO-4 SAE 50 (--- GAL)

# DIAGNOSIS

### Recommendation

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

## 🔺 Wear

Machine Id

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 suitable for further service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0128762	PCA0128747	PCA0123795
Sample Date		Client Info		09 Jul 2024	27 Jun 2024	05 Jun 2024
Machine Age	hrs	Client Info		18037	17836	17415
Oil Age	hrs	Client Info		500	500	34
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				ABNORMAL	SEVERE	NORMAL
CONTAMINATI	ON	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS	6	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	<u> </u>	<b>1</b> 571	225
Chromium	ppm	ASTM D5185m	>10	4	4	1
Nickel	ppm	ASTM D5185m	>10	2	3	<1
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	11	12	12
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	62	52	39
Tin	ppm	ASTM D5185m	>10	0	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	19	13	12
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	4	2	6
Manganese	ppm	ASTM D5185m	0	12	14	2
Magnesium	ppm	ASTM D5185m	9	27	25	36
Calcium	ppm	ASTM D5185m	3114	3776	3133	2320
Phosphorus	ppm	ASTM D5185m	1099	1071	898	839
Zinc	ppm	ASTM D5185m	1245	1312	1042	993
Sulfur	ppm	ASTM D5185m	7086	5410	5083	4532
CONTAMINAN	ΓS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	16	18	9
Sodium	ppm	ASTM D5185m		0	1	<1
Potassium	ppm	ASTM D5185m	>20	2	<1	2
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	3.27	1.19	0.96	1.29



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