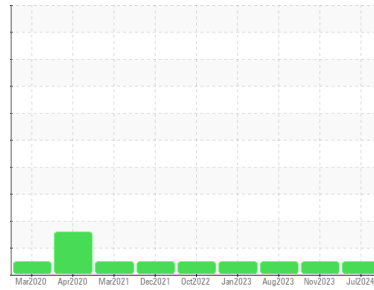




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

OR500

Component

Front Differential

Fluid

PETRO CANADA DURATRAN (68 LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		GFL0124586	GFL0092237	GFL0087407
Sample Date	Client Info		08 Jul 2024	15 Nov 2023	02 Aug 2023
Machine Age	hrs	Client Info	18566	18038	17633
Oil Age	hrs	Client Info	2000	1000	723
Oil Changed	Client Info		Not Chngd	Not Chngd	Not Chngd
Sample Status			NORMAL	NORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>.2	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>500	149	103	95
Chromium	ppm	ASTM D5185(m)	>10	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>10	<1	<1	0
Titanium	ppm	ASTM D5185(m)		<1	0	<1
Silver	ppm	ASTM D5185(m)		0	<1	0
Aluminum	ppm	ASTM D5185(m)	>25	2	1	2
Lead	ppm	ASTM D5185(m)	>25	8	8	4
Copper	ppm	ASTM D5185(m)	>100	12	11	8
Tin	ppm	ASTM D5185(m)	>10	<1	<1	<1
Antimony	ppm	ASTM D5185(m)	>5	0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)	110	94	96	99
Barium	ppm	ASTM D5185(m)	0.0	<1	<1	<1
Molybdenum	ppm	ASTM D5185(m)	0.0	4	3	4
Manganese	ppm	ASTM D5185(m)	1	2	1	2
Magnesium	ppm	ASTM D5185(m)	13	39	40	41
Calcium	ppm	ASTM D5185(m)	3610	3303	3452	3422
Phosphorus	ppm	ASTM D5185(m)	1192	1014	1062	1114
Zinc	ppm	ASTM D5185(m)	1455	1288	1301	1291
Sulfur	ppm	ASTM D5185(m)	2641	2787	2910	2742
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>75	11	12	13
Sodium	ppm	ASTM D5185(m)		6	3	2
Potassium	ppm	ASTM D5185(m)	>20	8	0	<1

