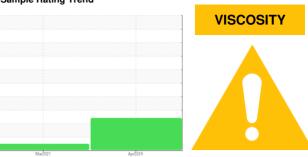


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id
OR343

Right Outer Final Drive

Fluid

PETRO CANADA DURATRAN (--- GAL)

DIAGNOSIS

Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. 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.

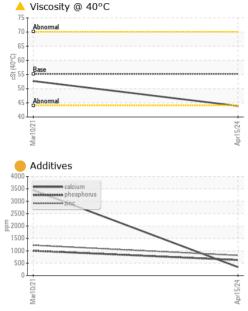
Fluid Condition

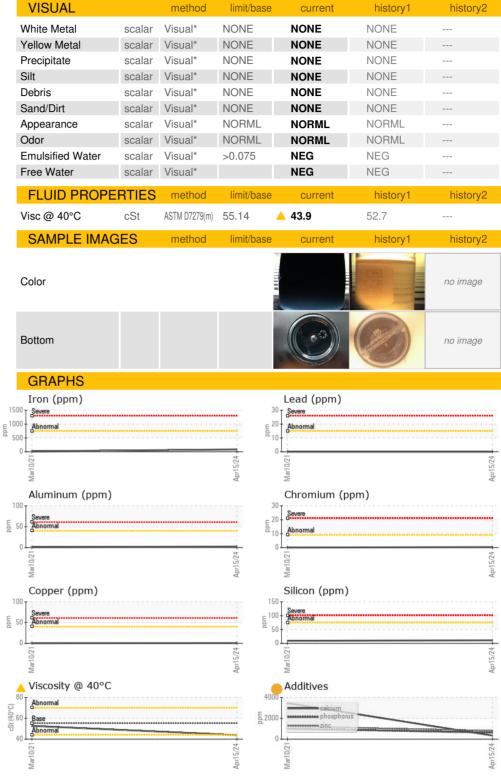
Viscosity of sample indicates oil is within ISO 46 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.

SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0113340	GFL0010821	
Sample Date		Client Info		15 Apr 2024	10 Mar 2021	
Machine Age	hrs	Client Info		16058	12385	
Oil Age	hrs	Client Info		3673	500	
Oil Changed		Client Info		Not Changd	Changed	
Sample Status				ABNORMAL	NORMAL	
CONTAMINAT	ΓΙΟΝ	method	limit/base	current	history1	history2
Water		WC Method	>0.075	NEG	NEG	
WEAR METAL	_S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>750	84	11	
Chromium	ppm	ASTM D5185(m)	>9	<1	0	
Nickel	ppm	ASTM D5185(m)	>10	<1	<1	
Titanium	ppm	ASTM D5185(m)		<1	<1	
Silver	ppm	ASTM D5185(m)		0	<1	
Aluminum	ppm	ASTM D5185(m)	>40	2	1	
Lead	ppm	ASTM D5185(m)	>15	0	0	
Copper	ppm	ASTM D5185(m)	>40	<1	<1	
Tin	ppm	ASTM D5185(m)	>10	0	0	
Antimony	ppm	ASTM D5185(m)	>5	0	<1	
Vanadium	ppm	ASTM D5185(m)		0	<1	
Beryllium	ppm	ASTM D5185(m)		0	0	
Cadmium	ppm	ASTM D5185(m)		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	110	7	6	
Barium	ppm	ASTM D5185(m)	0.0	0	0	
Molybdenum	ppm	ASTM D5185(m)	0.0	0	3	
Manganese	ppm	ASTM D5185(m)	1	<1	<1	
Magnesium	ppm	ASTM D5185(m)	13	7	111	
Calcium	ppm	ASTM D5185(m)	3610	341	3451	
Phosphorus	ppm	ASTM D5185(m)	1192	628	1000	
Zinc	ppm	ASTM D5185(m)	1455	814	1225	
Sulfur	ppm	ASTM D5185(m)	2641	1591	3268	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>75	11	9	
Sodium	ppm	ASTM D5185(m)	>51	1	1	
Potassium	ppm	ASTM D5185(m)	>20	<1	10	



OIL ANALYSIS REPORT







CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 720 - Lafleche - Landfill Lab Number : 02631032 Unique Number : 5772185

: GFL0113340

Test Package : MOB 1

Tested Diagnosed

Received

: 23 Apr 2024 : 23 Apr 2024

: 23 Apr 2024 - Kevin Marson

17125 Lafleche Road, Moose Creek, ON CA K0C 1W0 Contact: Charles Bergeron

cbergeron@gflenv.com T: (613)538-4853

To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

Submitted By: Charles Bergeron