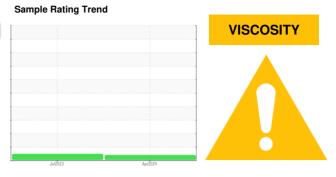


OIL ANALYSIS REPORT





DIAGNOSIS

Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. The fluid was specified as PETRO CANADA PRODURO TO-4 SAE 30, however, a fluid match indicates that this fluid is SAE 20 Transmission/Drive Train Oil. Please confirm the oil type and grade on your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

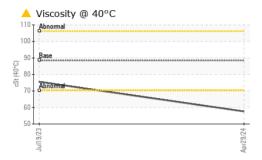
▲ Fluid Condition

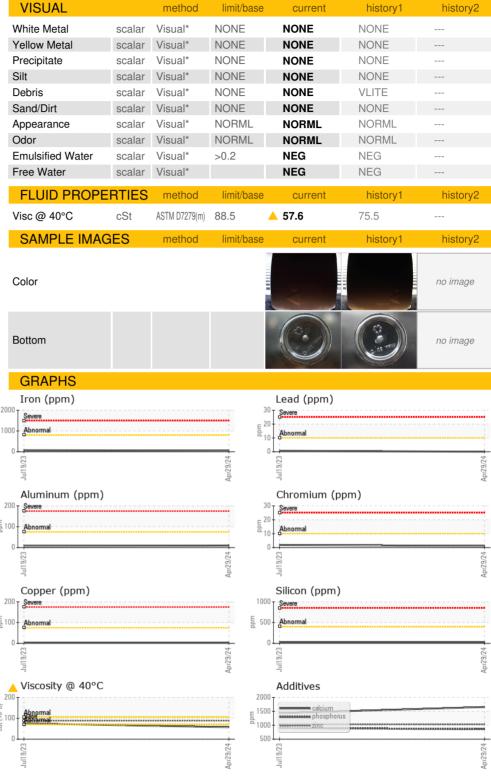
The oil viscosity is lower than typical, possibly indicating the addition of lighter grade oil. The condition of the oil is acceptable for the time in service.

SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0113412	GFL0087349	
Sample Date		Client Info		29 Apr 2024	19 Jul 2023	
Machine Age	hrs	Client Info		8207	6950	
Oil Age	hrs	Client Info		1000	1000	
Oil Changed		Client Info		Not Changd	Not Changd	
Sample Status				ABNORMAL	NORMAL	
CONTAMINAT	ΓΙΟΝ	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	
WEAR METAL	_S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>800	56	74	
Chromium	ppm	ASTM D5185(m)	>10	1	2	
Nickel	ppm	ASTM D5185(m)	>5	0	<1	
Titanium	ppm	ASTM D5185(m)	>15	<1	<1	
Silver	ppm	ASTM D5185(m)	>2	0	0	
Aluminum	ppm	ASTM D5185(m)	>75	10	7	
Lead	ppm	ASTM D5185(m)	>10	0	<1	
Copper	ppm	ASTM D5185(m)	>75	3	3	
Tin	ppm	ASTM D5185(m)	>8	0	0	
Antimony	ppm	ASTM D5185(m)	>50	0	0	
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)	2	2	4	
Barium	ppm	ASTM D5185(m)	0	<1	0	
Molybdenum	ppm	ASTM D5185(m)	0	<1	1	
Manganese	ppm	ASTM D5185(m)	9	<1	<1	
Magnesium	ppm	ASTM D5185(m)	1	20	10	
Calcium	ppm	ASTM D5185(m)	3131	1655	1437	
Phosphorus	ppm	ASTM D5185(m)	1194	858	904	
Zinc	ppm	ASTM D5185(m)	1281	1030	1032	
Sulfur	ppm	ASTM D5185(m)	3811	2693	4654	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>400	33	31	
Sodium	ppm	ASTM D5185(m)		3	3	
Potassium	ppm	ASTM D5185(m)	>20	5	3	



OIL ANALYSIS REPORT







CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Unique Number : 5775539

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 720 - Lafleche - Landfill Lab Number : 02634386

: GFL0113412

Tested Test Package : MOB 1

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

: 09 May 2024 Diagnosed : 10 May 2024 - Kevin Marson

Received

To discuss this sample report, contact Customer Service at 1-800-268-2131.

: 09 May 2024

Moose Creek, ON CA K0C 1W0 Contact: Charles Bergeron cbergeron@gflenv.com T: (613)538-4853

Validity of results and interpretation are based on the sample and information as supplied.

Submitted By: Charles Bergeron

17125 Lafleche Road,