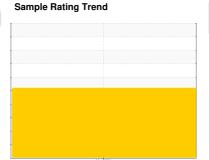


**OIL ANALYSIS REPORT** 







**OR340** Component **Hydraulic System** 

PETRO CANADA HYDI

## **DIAGNOSIS**

### Recommendation

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. The filter change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. Resample in 30-45 days to monitor this situation.

#### Wear

All component wear rates are normal.

### ▲ Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

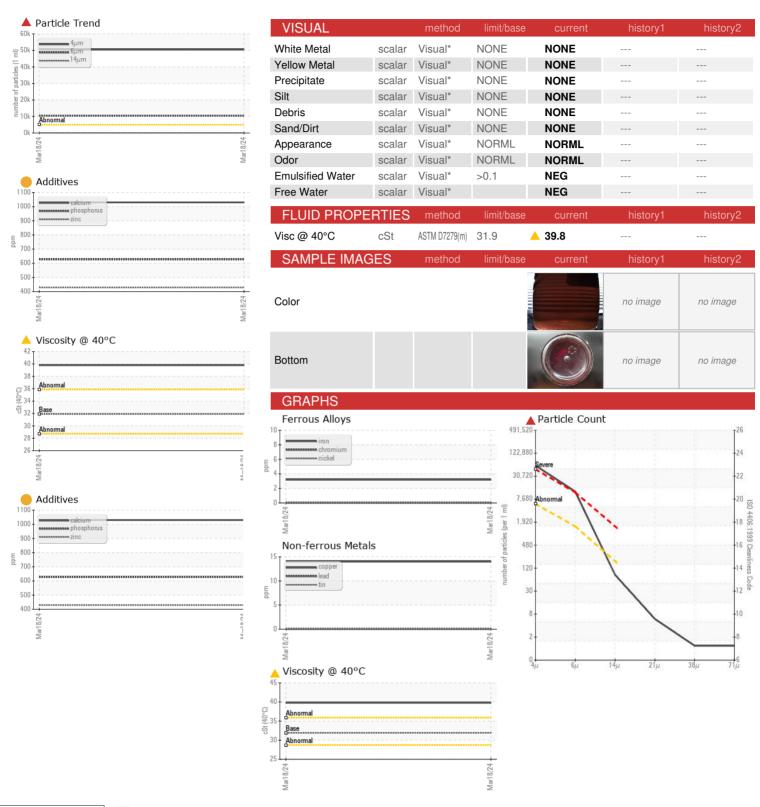
### Fluid Condition

The oil viscosity is higher than normal. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

REX MV 32 (60 L	TR)			Mar2024		
SAMPLE INFORI	MATION	method	limit/base	current	his	story1 history2
Sample Number		Client Info		GFL0113364		
Sample Date		Client Info		18 Mar 2024		
Machine Age	hrs	Client Info		6366		
Oil Age	hrs	Client Info		6366		
Oil Changed	1110	Client Info		Not Changd		
Sample Status				SEVERE		
CONTAMINAT	ION	method	limit/base	current	his	story1 history2
Water		WC Method	>0.1	NEG		
WEAR METAL	S	method	limit/base	current	his	tory1 history2
Iron	ppm	ASTM D5185(m)	>20	3		
Chromium	ppm	ASTM D5185(m)	>10	0		
Nickel	ppm	ASTM D5185(m)	>10	0		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>10	<1		
Lead	ppm	ASTM D5185(m)	>10	0		
Copper	ppm	ASTM D5185(m)	>75	14		
Tin	ppm	ASTM D5185(m)	>10	0		
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	his	tory1 history2
Boron	ppm	ASTM D5185(m)	0	113		
Barium	ppm	ASTM D5185(m)	0	0		
Molybdenum	ppm	ASTM D5185(m)	0	0		
Manganese	ppm	ASTM D5185(m)	1	0		
Magnesium	ppm	ASTM D5185(m)	0	4		
Calcium	ppm	ASTM D5185(m)	50	<b>1030</b>		
Phosphorus	ppm	ASTM D5185(m)	330	627		
Zinc	ppm	ASTM D5185(m)	430	429		
Sulfur	ppm	ASTM D5185(m)	760	<b>2226</b>		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINAN	TS	method	limit/base	current	his	tory1 history2
Silicon	ppm	ASTM D5185(m)	>20	2		
Sodium	ppm	ASTM D5185(m)		4		
Potassium	ppm	ASTM D5185(m)	>20	<1		
FLUID CLEAN	INESS	method	limit/base	current	his	story1 history2
Particles >4µm		ASTM D7647	>5000	▲ 50481		
Particles >6µm		ASTM D7647	>1300	<b>10473</b>		
Particles >14µm		ASTM D7647	>160	71		
Particles >21µm		ASTM D7647	>40	5		
Particles >38µm		ASTM D7647	>10	1		
Particles >71µm		ASTM D7647	>3	1		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>23/21/13</b>		



# **OIL ANALYSIS REPORT**





CALA ISO 17025:2017 Accredited Laboratory

Laboratory

Sample No. Lab Number

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 720 - Lafleche - Landfill : GFL0113364

: 02623754 Unique Number : 5748873

**Tested** Diagnosed Test Package : MOB 1 ( Additional Tests: PrtCount )

Received : 21 Mar 2024 : 22 Mar 2024

: 22 Mar 2024 - Kevin Marson

17125 Lafleche Road, Moose Creek, ON CA K0C 1W0 Contact: Charles Bergeron cbergeron@gflenv.com

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.

T: (613)538-4853