

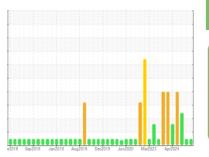
OIL ANALYSIS REPORT

Gas Compression [450343742]

Compressor (HP1) - Lubrication System (S/N Sample Tag XX-23003-S1)

Lube System

PETRO CANADA TURBOFLO XL32 (10350 LTR)



Sample Rating Trend



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 TURBOFLO XL32, however, a fluid match indicates that this fluid is ISO 32 R&O Hydraulic Oil. Please confirm the oil type and grade on your next sample. Please contact your representative for information regarding the proper sampling kits for your service. NOTE: We recommend using MAR 3 test kits, this testkit includes Analytical Ferrography which provides a detailed morphological analysis of wear particles present in the fluid.

Wear

Component wear rates appear to be normal (unconfirmed).

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

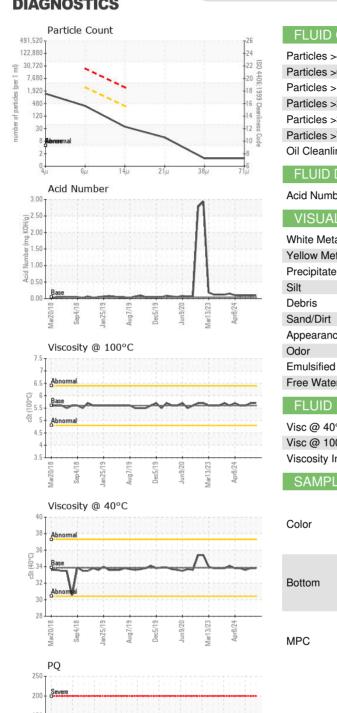
Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC0080661	PC	PC
Sample Date		Client Info		28 May 2024	20 May 2024	28 Apr 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
PQ		ASTM D8184*		0	0	0
Iron	ppm	ASTM D5185(m)	>20	<1	0	0
Chromium	ppm	ASTM D5185(m)	>10	0	0	0
Nickel	ppm	ASTM D5185(m)	>10	<1	0	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>10	<1	0	0
Lead	ppm	ASTM D5185(m)	>20	0	0	0
Copper	ppm	ASTM D5185(m)	>20	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>10	0	0	0
Antimony	ppm	ASTM D5185(m)		<1	0	0
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)	0	0	<1	<1
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	0	0	0	0
Manganese	ppm	ASTM D5185(m)	0	0	0	0
Magnesium	ppm	ASTM D5185(m)	0	0	<1	0
Calcium	ppm	ASTM D5185(m)	0	<1	0	<1
Phosphorus	ppm	ASTM D5185(m)	5	80	82	81
Zinc	ppm	ASTM D5185(m)	0	1	1	1
Sulfur	ppm	ASTM D5185(m)	750	246	253	339
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	<1	<1	<1
Sodium	ppm	ASTM D5185(m)		<1	0	0
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	<1



OIL ANALYSIS REPORT



FLUID CLEANL	INESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		1264	1151	1646
Particles >6µm		ASTM D7647	>2500	322	319	459
Particles >14µm		ASTM D7647	>320	33	20	39
Particles >21µm		ASTM D7647	>80	10	3	9
Particles >38µm		ASTM D7647	>20	1	0	1
Particles >71µm		ASTM D7647	>4	1	0	0
Oil Cleanliness		ISO 4406 (c)	>/18/15	17/16/12	17/15/11	18/16/12
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.04	0.10	0.09	0.10
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	▲ WGOIL
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.05	NEG	NEG	.5%
Free Water	scalar	Visual*		NEG	NEG	<u></u> 1%
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
FLUID PROPE	RTIES cSt	method ASTM D7279(m)	limit/base 33.86	current 33.8	history1 33.8	history2 33.6
						•
Visc @ 40°C	cSt	ASTM D7279(m)	33.86	33.8	33.8	33.6
Visc @ 40°C Visc @ 100°C	cSt cSt Scale	ASTM D7279(m) ASTM D7279(m)	33.86 5.60	33.8 5.7	33.8 5.7	33.6 5.6
Visc @ 40°C Visc @ 100°C Viscosity Index (VI)	cSt cSt Scale	ASTM D7279(m) ASTM D7279(m) ASTM D2270*	33.86 5.60 101	33.8 5.7 108	33.8 5.7 108	33.6 5.6 103
Visc @ 40°C Visc @ 100°C Viscosity Index (VI) SAMPLE IMAG	cSt cSt Scale	ASTM D7279(m) ASTM D7279(m) ASTM D2270*	33.86 5.60 101	33.8 5.7 108	33.8 5.7 108	33.6 5.6 103
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Visc @ 40°C Visc @ 100°C Viscosity Index (VI) SAMPLE IMAG Color Bottom	cSt cSt Scale	ASTM D7279(m) ASTM D7279(m) ASTM D2270*	33.86 5.60 101	33.8 5.7 108 current	33.8 5.7 108 history1	33.6 5.6 103 history2
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Laboratory Sample No.

: PC0080661 Lab Number : 02643743 Unique Number : 5801282

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received : 24 Jun 2024

Tested : 25 Jun 2024 Diagnosed : 25 Jun 2024 - Kevin Marson

Test Package: MAR 2 (Additional Tests: KV100, PQ, TAN Man, VI)

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.

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