

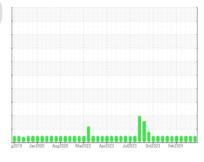
OIL ANALYSIS REPORT

Main Power Generation [450305063]

Generator MPG (Stbd) - Lubrication System (S/N Sample Tag XX-80101-S1)

Turbine

PETRO CANADA TURBOFLO 32 (8300 LTR)



Sample Rating Trend



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. 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.

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.

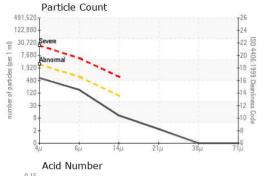
Fluid Condition

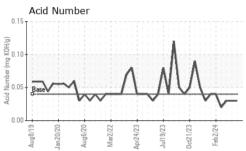
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC	PC	PC0080346
Sample Date		Client Info		30 Apr 2024	23 Apr 2024	12 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	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.03	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>15	<1	<1	<1
Chromium	ppm	ASTM D5185(m)	>4	0	0	0
Nickel	ppm	ASTM D5185(m)	>2	0	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	<1	0
Lead	ppm	ASTM D5185(m)		0	0	0
Copper	ppm	ASTM D5185(m)	>5	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>5	<1	<1	<1
Antimony	ppm	ASTM D5185(m)		0	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	<1	0	0
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
Magnesium	ppm	ASTM D5185(m)	0	0	0	<1
Calcium	ppm	ASTM D5185(m)	0	0	0	0
Phosphorus	ppm	ASTM D5185(m)	120	259	257	264
Zinc	ppm	ASTM D5185(m)	0.0	<1	1	<1
Sulfur	ppm	ASTM D5185(m)	0	729	609	603
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	0	0	0
Sodium	ppm	ASTM D5185(m)		0	0	0
Potassium	ppm	ASTM D5185(m)	>20	<1	0	0
FLUID CLEANI	INESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	563	622	305
Particles >6µm		ASTM D7647	>640	153	244	75
Particles >14µm		ASTM D7647	>80	9	24	9
Particles >21µm		ASTM D7647		2	5	3
Particles >38µm		ASTM D7647	>4	0	1	1
Particles >71µm		ASTM D7647		0	0	1
r.		ISO 4406 (c)	>18/16/13	16/14/10	16/15/12	

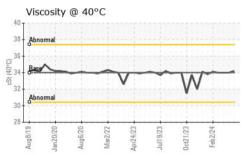


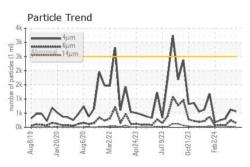
OIL ANALYSIS REPORT





Vis	cosity	@ 10	0°C					
7-								
6.5 Abn						\sim		
0	ormal							
4.5								
3.5 4 Aug8/19	Jan20/20	Aug6/20	Mar2/22	Apr24/23	Jul19/23	0ct21/23	Feb2/24	





FLUID DEGRA	OATION	method	limit/base	current	history1	history2	
Acid Number (AN)	id Number (AN) mg KOH/g A		0.04	0.03	0.03	0.03	
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	NORML	
Odor	scalar	Visual*	NORML	NORML	NORML	NORML	
Emulsified Water	scalar	Visual*	>0.03	NEG	NEG	NEG	
Free Water	scalar	Visual*		NEG	NEG	NEG	
FLUID PROPE	RTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	34.0	34.2	34.0	34.0	
Visc @ 100°C	cSt	ASTM D7279(m)	5.59	5.7	5.7	5.7	
Viscosity Index (VI)	Scale	ASTM D2270*	110	105	107	107	
SAMPLE IMAG	ES	method	limit/base	current	history1	history2	
Color						0000001	



CALA ISO 17025:2017 Accredited Laboratory

Laboratory

Sample No.

: PC Lab Number : 02636166 Unique Number : 5785328

Bottom

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received : 16 May 2024 **Tested** : 21 May 2024

Diagnosed : 21 May 2024 - Kevin Marson

Test Package : MAR 2 (Additional Tests: KV100, 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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