

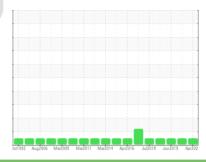
OIL ANALYSIS REPORT

WHITEDOG FALLS GS FP3G3

Component

Governor System

ESSO TERESSO ISO 46 (--- GAL)



Sample Rating Trend



Recommendation

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Wear

All component wear rates are normal.

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 INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0560602	WC0475110	WC
Sample Date		Client Info		14 Apr 2021	08 Jul 2020	24 Jun 2019
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
CONTAMINATION	V	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>50	<1	<1	1
Chromium	ppm	ASTM D5185(m)		0	0	0
Nickel	ppm	ASTM D5185(m)		0	0	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		<1	<1	0
Aluminum	ppm	ASTM D5185(m)	>3	<1	<1	0
Lead	ppm	ASTM D5185(m)	>75	0	0	<1
Copper	ppm	ASTM D5185(m)		<1	<1	0
Tin	ppm	ASTM D5185(m)	>55	0	0	0
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	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	<1	0	0
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)	0	0	0	0
Manganese	ppm	ASTM D5185(m)		0	0	<1
Magnesium	ppm	ASTM D5185(m)	0	0	0	<1
Calcium	ppm	ASTM D5185(m)		0	0	<1
Phosphorus	ppm	ASTM D5185(m)	2.4	1	0	67
Zinc	ppm	ASTM D5185(m)	0	<1	<1	<1
Sulfur	ppm	ASTM D5185(m)		644	631	1347
Lithium	ppm	ASTM D5185(m)		<1	<1	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>8	<1	<1	<1
Sodium	ppm	ASTM D5185(m)		0	0	0
Potassium	ppm	ASTM D5185(m)	>20	0	1	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	1119	4326	2538
Particles >6µm		ASTM D7647	>5000	73	286	105
Particles >14µm		ASTM D7647	>640	2	7	2
Particles >21µm		ASTM D7647	>160	0	3	0
Particles >38µm		ASTM D7647	>40	0	1	0

ASTM D7647 >10 ISO 4406 (c) >21/19/16

17/13/9

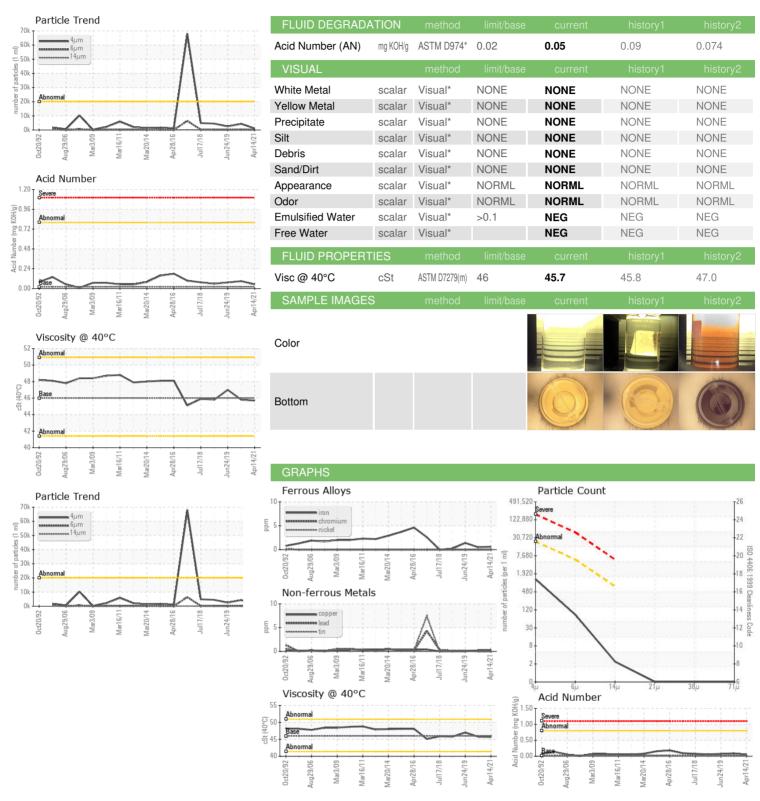
19/15/10

Particles >71μm

Oil Cleanliness



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited

Laboratory

Laboratory Sample No. Lab Number **Unique Number**

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : WC0560602

: 02423567 : 5227067

Received : 26 May 2021 Diagnosed

: 27 May 2021 Diagnostician : Wes Davis Test Package : IND 2 (Additional Tests: PrtCount, TAN Man)

Ontario Power Generation KENORA PRODUCTION CENTRE, 200-60 FOURTEENTH ST N. KENORA, ON **CA P9N 4M9**

Contact: Josh Robinson josh.robinson@opg.com T:

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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