



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id
HOUND CHUTES G.S. G2
Component
Drive End Bearing
Fluid
ESSO TERESSO ISO 46 (--- GAL)

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 ESSO TERESSO ISO 46, however, a fluid match indicates that this fluid is ISO 46 AW Hydraulic Oil. Please confirm the oil type and grade on your next sample. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

WEAR

All component wear rates are normal.

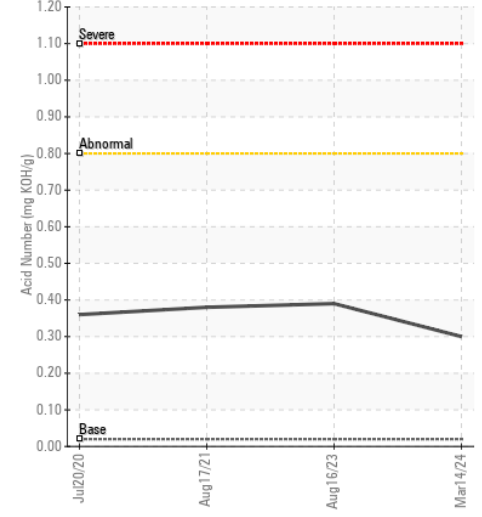
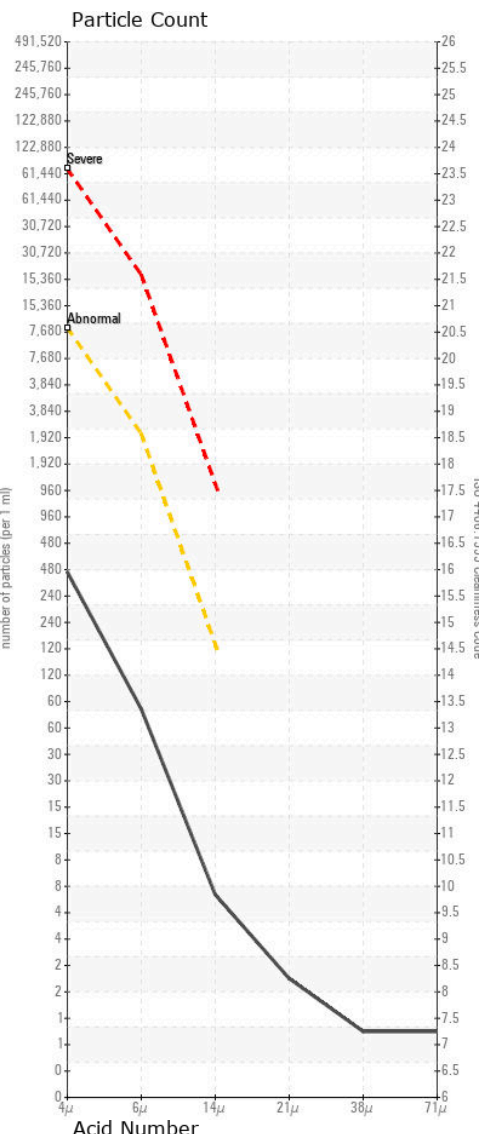
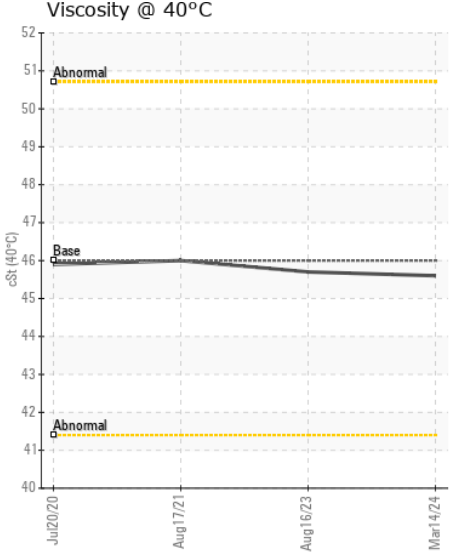
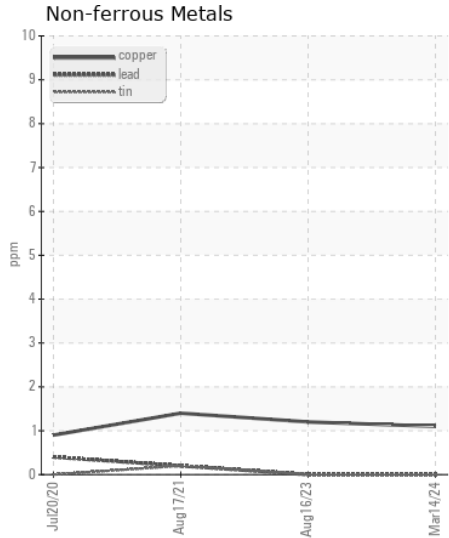
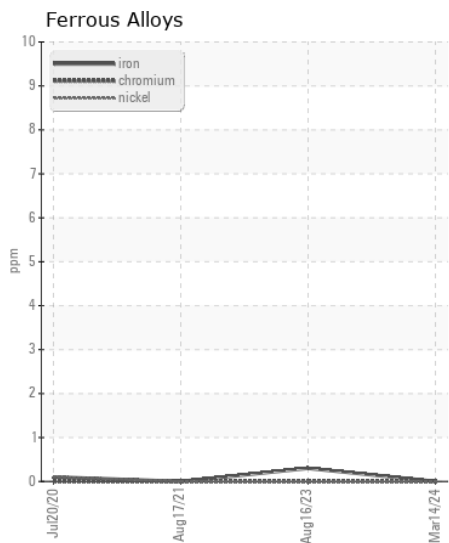
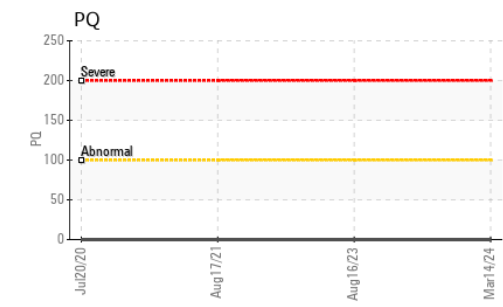
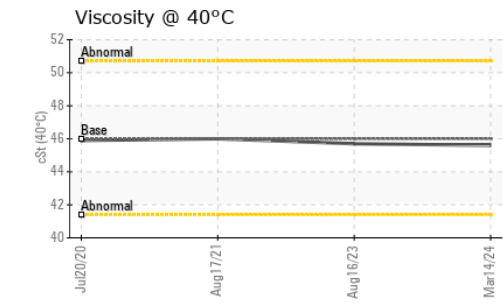
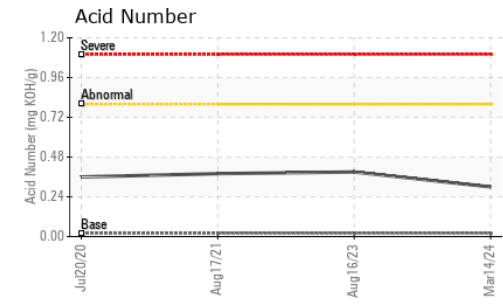
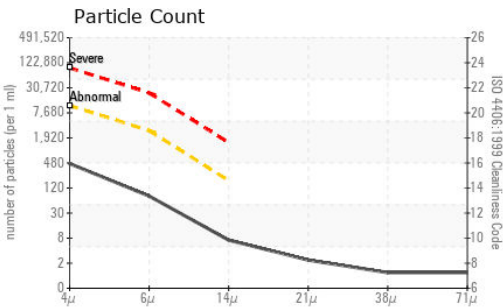
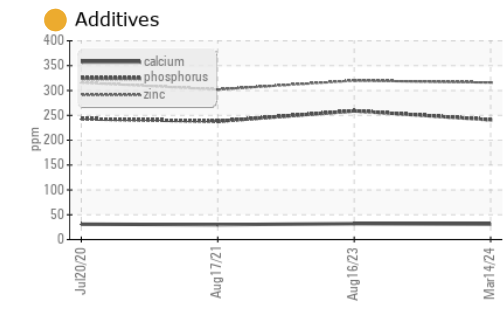
CONTAMINATION

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

FLUID CONDITION

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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0750955	WC0750952	WC0595980
Sample Date		Client Info		14 Mar 2024	16 Aug 2023	17 Aug 2021
Machine Age	yrs	Client Info		2	0	0
Oil Age	yrs	Client Info		2	1	1
Filter Age	yrs	Client Info		0	0	0
Oil Changed		Client Info		Not Chngd	Not Chngd	Filtered
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	NORMAL	ATTENTION
PQ		ASTM D8184*		0	0	0
Iron	ppm	ASTM D5185(m)	>20	0	<1	0
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>20	0	0	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	0	<1	<1
Lead	ppm	ASTM D5185(m)	>20	0	0	<1
Copper	ppm	ASTM D5185(m)	>20	1	1	1
Tin	ppm	ASTM D5185(m)	>20	0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>15	0	<1	<1
Potassium	ppm	ASTM D5185(m)	>20	<1	0	<1
Water		WC Method	>2	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>10000	409	2214	719
Particles >6µm		ASTM D7647	>2500	68	248	295
Particles >14µm		ASTM D7647	>160	6	11	56
Particles >21µm		ASTM D7647	>40	2	3	18
Particles >38µm		ASTM D7647	>10	1	1	2
Particles >71µm		ASTM D7647	>3	1	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/14	16/13/10	18/15/11	17/15/13
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	VLITE	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*	>2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185(m)		<1	<1	<1
Boron	ppm	ASTM D5185(m)	0	0	<1	<1
Barium	ppm	ASTM D5185(m)		<1	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	<1	0	0
Calcium	ppm	ASTM D5185(m)	0	31	32	30
Phosphorus	ppm	ASTM D5185(m)	2.4	241	259	238
Zinc	ppm	ASTM D5185(m)	0	316	320	302
Sulfur	ppm	ASTM D5185(m)		4029	4045	4024
Acid Number (AN)	mg KOH/g	ASTM D974*	0.02	0.30	0.39	0.38
Visc @ 40°C	cSt	ASTM D7279(m)	46	45.6	45.7	46.0



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0750955 **Received** : 13 May 2024
Lab Number : 02634948 **Tested** : 15 May 2024
Unique Number : 5776101 **Diagnosed** : 15 May 2024 - Kevin Marson
Test Package : IND 2 (Additional Tests: PQ, PrtCount)

Ontario Power Generation
 DYMOND WORK CENTRE, R.R. # 1, HWY #65 W
 NEW LISKEARD, ON
 CA POJ 1P0
 Contact: Aaron Brammer
 aaron.brammer@opg.com
 T: (705)648-6106
 F: (705)647-7613

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.