



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
IHFO2308
Component
Hydraulic System
Fluid
{not provided} (--- GAL)

RECOMMENDATION

This is a baseline read-out on the submitted sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC	---	---
Sample Date		Client Info		27 Aug 2023	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

WEAR

{not applicable}

PQ		ASTM D8184*		0	---	---
Iron	ppm	ASTM D5185(m)	>20	34	---	---
Chromium	ppm	ASTM D5185(m)	>20	1	---	---
Nickel	ppm	ASTM D5185(m)	>20	<1	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)		<1	---	---
Aluminum	ppm	ASTM D5185(m)	>20	2	---	---
Lead	ppm	ASTM D5185(m)	>20	<1	---	---
Copper	ppm	ASTM D5185(m)	>20	6	---	---
Tin	ppm	ASTM D5185(m)	>20	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

CONTAMINATION

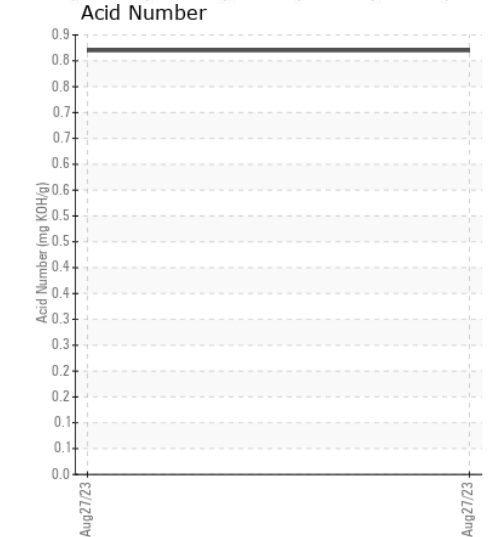
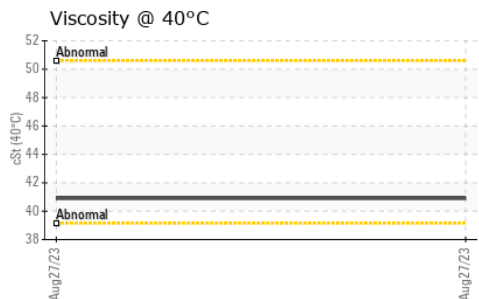
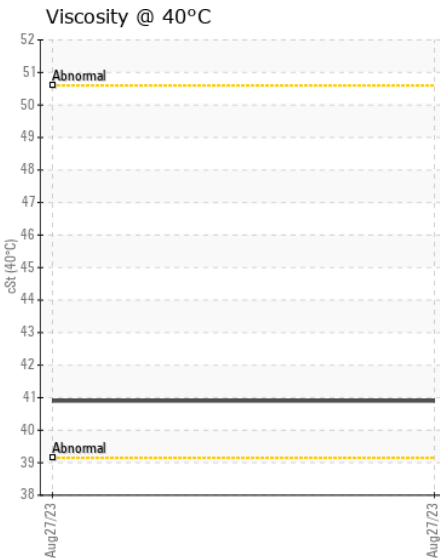
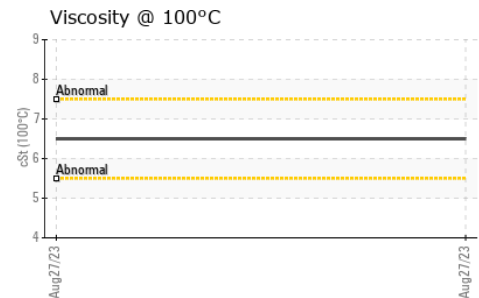
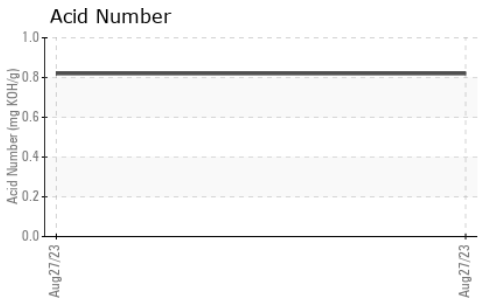
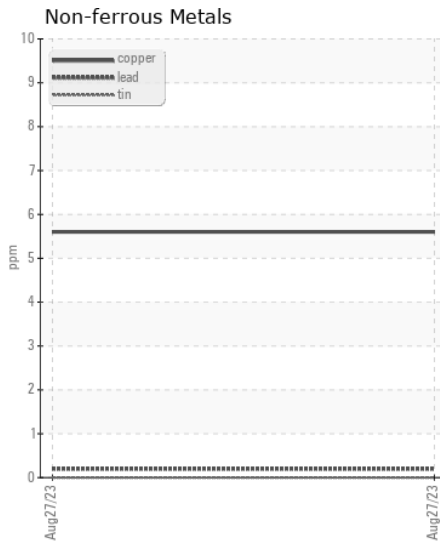
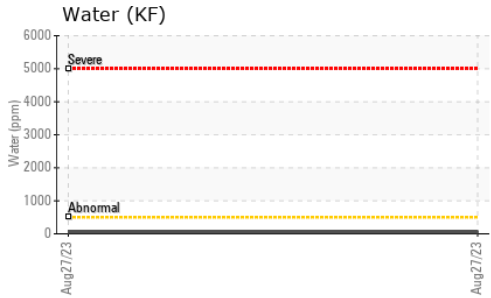
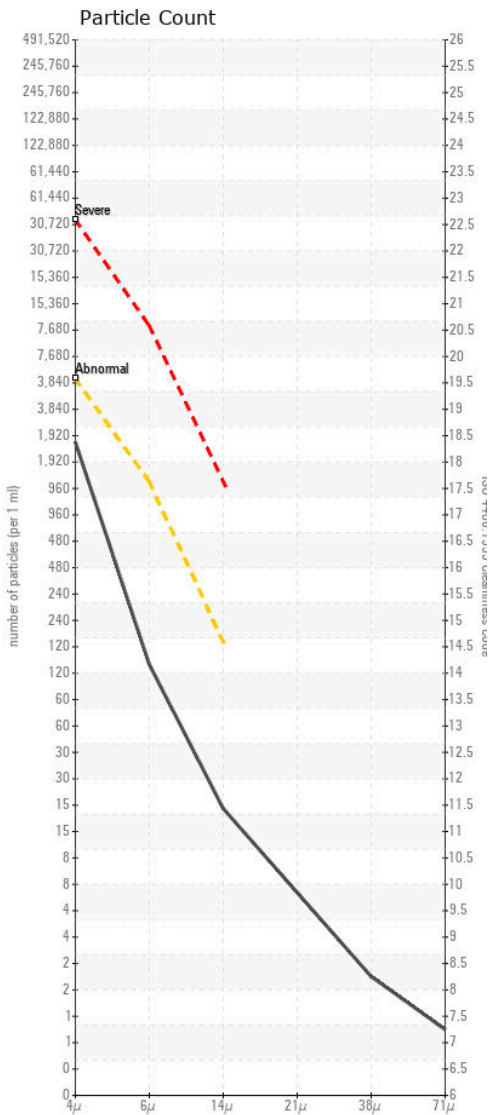
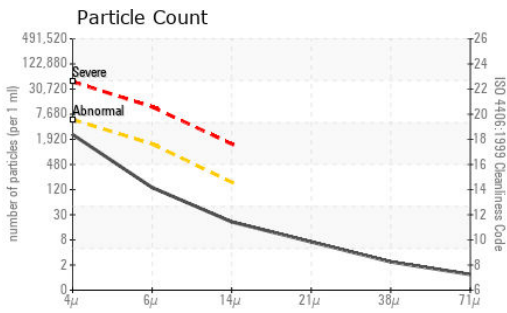
{not applicable}

Silicon	ppm	ASTM D5185(m)	>15	6	---	---
Potassium	ppm	ASTM D5185(m)	>20	0	---	---
Water	%	ASTM D6304*	>0.05	0.005	---	---
ppm Water	ppm	ASTM D6304*	>500	55.2	---	---
Particles >4µm		ASTM D7647	>5000	2186	---	---
Particles >6µm		ASTM D7647	>1300	119	---	---
Particles >14µm		ASTM D7647	>160	18	---	---
Particles >21µm		ASTM D7647	>40	6	---	---
Particles >38µm		ASTM D7647	>10	2	---	---
Particles >71µm		ASTM D7647	>3	1	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/14/11	---	---
Emulsified Water	scalar	Visual*	>0.05	NEG	---	---

FLUID CONDITION

{not applicable}

Sodium	ppm	ASTM D5185(m)		1	---	---
Boron	ppm	ASTM D5185(m)		1	---	---
Barium	ppm	ASTM D5185(m)		<1	---	---
Molybdenum	ppm	ASTM D5185(m)		<1	---	---
Manganese	ppm	ASTM D5185(m)		0	---	---
Magnesium	ppm	ASTM D5185(m)		6	---	---
Calcium	ppm	ASTM D5185(m)		179	---	---
Phosphorus	ppm	ASTM D5185(m)		635	---	---
Zinc	ppm	ASTM D5185(m)		812	---	---
Sulfur	ppm	ASTM D5185(m)		1354	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*		0.82	---	---
Visc @ 40°C	cSt	ASTM D7279(m)		40.9	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		6.5	---	---
Viscosity Index (VI)	Scale	ASTM D2270*		109	---	---
COC Flash Point	°C	ASTM D92*		250	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC
Lab Number : 02578942
Unique Number : 5632002
Test Package : IHFO (Additional Tests: PQ, TAN Man, VI)

Received : 28 Aug 2023
Tested : 10 Oct 2023
Diagnosed : 27 Feb 2024 - Kevin Marson

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.

ASTM
 100 BARR HARBOR DRIVE
 WEST CONSHOHOCKEN, PA
 US 19428
 Contact: DAVID R. BRADLEY

T: (610)832-9500
 F: (610)832-9668