



OIL ANALYSIS REPORT

Sample Rating Trend

WEAR



Machine Id
801130

Component
Hydraulic System

Fluid
AW HYDRAULIC OIL ISO 32 (--- GAL)



DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 32. Please confirm. Please contact your representative for information regarding the proper sampling kits for your service. NOTE: We recommend using MOB 2 test kits, this testkit includes Particle Count to determine the ISO cleanliness of the fluid.

Wear

Copper ppm levels are abnormal.

Contamination

There is no indication of any contamination in the component(unconfirmed).

Fluid Condition

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		GFL0084189	---	---
Sample Date	Client Info		07 Sep 2023	---	---
Machine Age	hrs	Client Info	17344	---	---
Oil Age	hrs	Client Info	1200	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			ABNORMAL	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >40	10	---	---
Chromium	ppm	ASTM D5185(m) >5	<1	---	---
Nickel	ppm	ASTM D5185(m) >2	<1	---	---
Titanium	ppm	ASTM D5185(m) >2	0	---	---
Silver	ppm	ASTM D5185(m)	<1	---	---
Aluminum	ppm	ASTM D5185(m) >8	0	---	---
Lead	ppm	ASTM D5185(m) >5	3	---	---
Copper	ppm	ASTM D5185(m) >20	▲ 24	---	---
Tin	ppm	ASTM D5185(m) >2	<1	---	---
Antimony	ppm	ASTM D5185(m) >2	0	---	---
Vanadium	ppm	ASTM D5185(m)	0	---	---
Beryllium	ppm	ASTM D5185(m)	0	---	---
Cadmium	ppm	ASTM D5185(m)	0	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 5	<1	---	---
Barium	ppm	ASTM D5185(m) 5	0	---	---
Molybdenum	ppm	ASTM D5185(m) 5	0	---	---
Manganese	ppm	ASTM D5185(m)	0	---	---
Magnesium	ppm	ASTM D5185(m) 25	2	---	---
Calcium	ppm	ASTM D5185(m) 200	50	---	---
Phosphorus	ppm	ASTM D5185(m) 300	340	---	---
Zinc	ppm	ASTM D5185(m) 370	402	---	---
Sulfur	ppm	ASTM D5185(m) 2500	975	---	---
Lithium	ppm	ASTM D5185(m)	<1	---	---

CONTAMINANTS

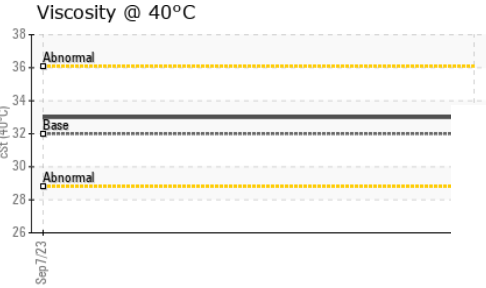
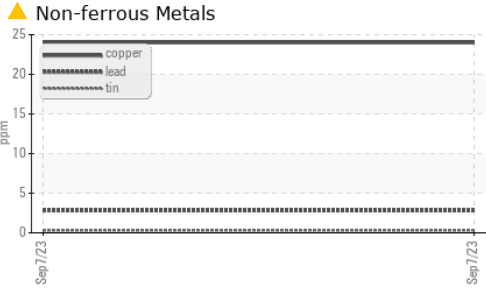
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >20	<1	---	---
Sodium	ppm	ASTM D5185(m)	<1	---	---
Potassium	ppm	ASTM D5185(m) >20	<1	---	---

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	Visual* NONE	NONE	---	---
Yellow Metal	scalar	Visual* NONE	NONE	---	---
Precipitate	scalar	Visual* NONE	NONE	---	---
Silt	scalar	Visual* NONE	NONE	---	---
Debris	scalar	Visual* NONE	NONE	---	---
Sand/Dirt	scalar	Visual* NONE	NONE	---	---
Appearance	scalar	Visual* NORML	NORML	---	---
Odor	scalar	Visual* NORML	NORML	---	---
Emulsified Water	scalar	Visual* >0.1	NEG	---	---
Free Water	scalar	Visual*	NEG	---	---



OIL ANALYSIS REPORT



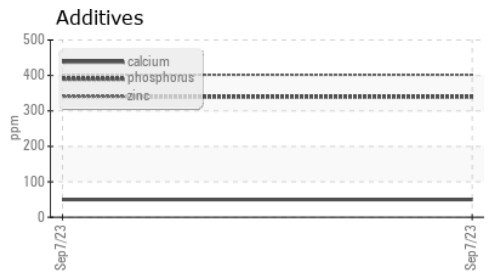
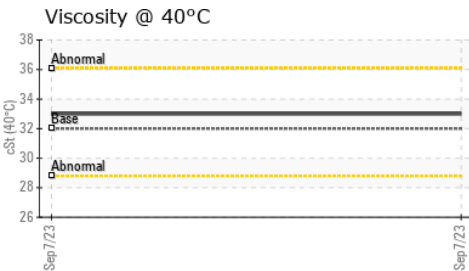
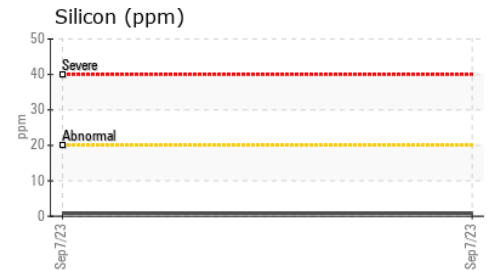
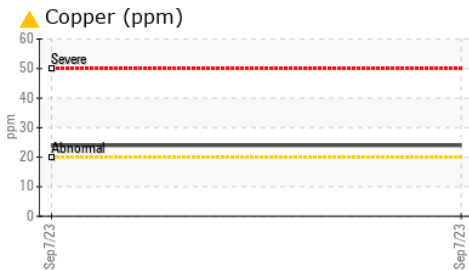
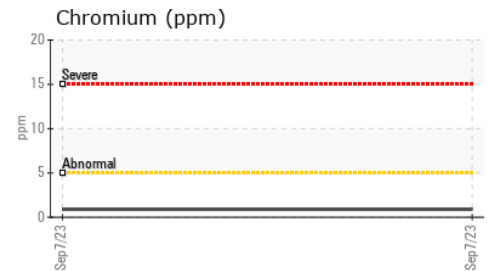
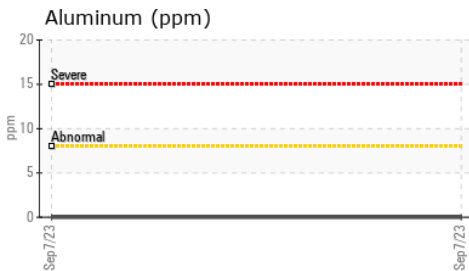
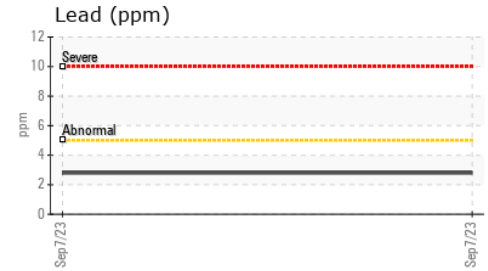
FLUID PROPERTIES

method	limit/base	current	history1	history2	
Visc @ 40°C	cSt ASTM D7279(m)	32	33.0	---	---

SAMPLE IMAGES

method	limit/base	current	history1	history2
Color			no image	no image
Bottom			no image	no image

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 574 - Vancouver Fleet
Sample No. : GFL0084189 **Received** : 24 Oct 2023 70 Golden Drive,
Lab Number : 02591465 **Diagnosed** : 25 Oct 2023 Coquitlam, BC
Unique Number : 5668544 **Diagnostician** : Kevin Marson CA V3K 6B5
Test Package : MOB 1 Contact: Gary Ewasiuk
gewasiuk@gflenv.com

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.