MOBIL LUBE 360 OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	SEVERE
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Machine Id
EX0354
Component
Hydraulic System
Fluid
CASE CASE IH HY-TRAN ULTRA (240 LTR)

RECOMMENDATION

The filter change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. Re-sampling is suggested to confirm test results prior to significant maintenance activities being performed. Please indicate that this is a resample on your Sample Information Form (SIF). (Customer Sample Comment: Tank refill is 150)

WEAR

Iron ppm levels are severe. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion.

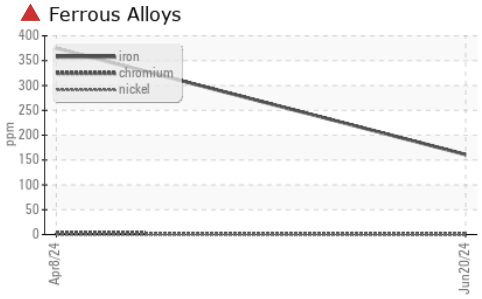
CONTAMINATION

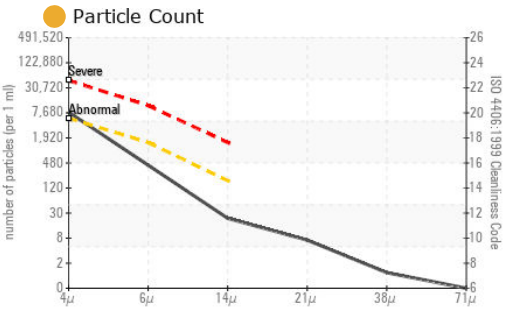
There is a light amount of silt (particulates < 14 microns in size) present in the oil.

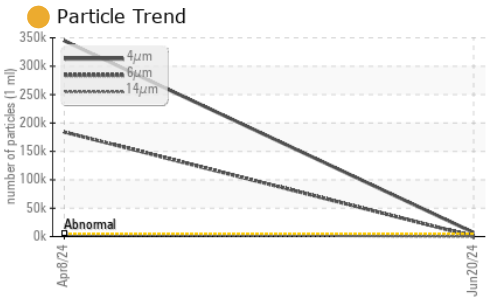
FLUID CONDITION

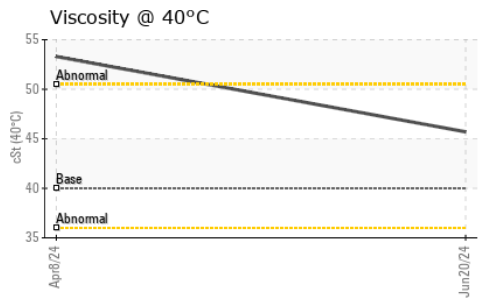
Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

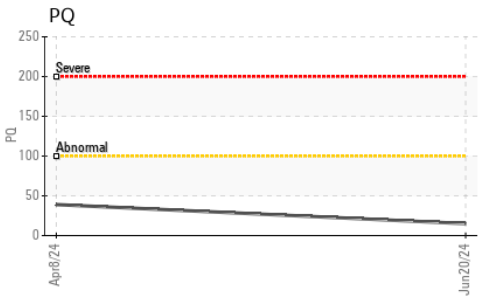
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0113437	GFL0092229	---
Sample Date		Client Info		20 Jun 2024	08 Apr 2024	---
Machine Age	hrs	Client Info		25281	24807	---
Oil Age	hrs	Client Info		474	4000	---
Filter Age	hrs	Client Info		474	1000	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				SEVERE	SEVERE	---
PQ		ASTM D8184*		15	39	---
Iron	ppm	ASTM D5185(m)	>65	▲ 161	▲ 375	---
Chromium	ppm	ASTM D5185(m)	>6	1	3	---
Nickel	ppm	ASTM D5185(m)	>10	0	0	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		<1	0	---
Aluminum	ppm	ASTM D5185(m)	>5	<1	<1	---
Lead	ppm	ASTM D5185(m)	>45	0	0	---
Copper	ppm	ASTM D5185(m)	>120	<1	<1	---
Tin	ppm	ASTM D5185(m)	>4	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185(m)	>25	1	4	---
Potassium	ppm	ASTM D5185(m)	>20	1	3	---
Water		WC Method	>0.1	NEG	NEG	---
Particles >4µm		ASTM D7647	>5000	● 6952	▲ 344821	---
Particles >6µm		ASTM D7647	>1300	374	▲ 184032	---
Particles >14µm		ASTM D7647	>160	20	▲ 3085	---
Particles >21µm		ASTM D7647	>40	6	▲ 283	---
Particles >38µm		ASTM D7647	>10	1	14	---
Particles >71µm		ASTM D7647	>3	0	2	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	● 20/16/11	▲ 26/25/19	---
Silt	scalar	Visual*	NONE	NONE	LIGHT	---
Debris	scalar	Visual*	NONE	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	---
Sodium	ppm	ASTM D5185(m)		1	3	---
Boron	ppm	ASTM D5185(m)		2	5	---
Barium	ppm	ASTM D5185(m)		0	0	---
Molybdenum	ppm	ASTM D5185(m)		0	0	---
Manganese	ppm	ASTM D5185(m)		3	8	---
Magnesium	ppm	ASTM D5185(m)		5	11	---
Calcium	ppm	ASTM D5185(m)		1100	2900	---
Phosphorus	ppm	ASTM D5185(m)		459	● 282	---
Zinc	ppm	ASTM D5185(m)	0.0	449	● 23	---
Sulfur	ppm	ASTM D5185(m)		1504	● 1884	---
Visc @ 40°C	cSt	ASTM D7279(m)	40	45.7	▲ 53.3	---

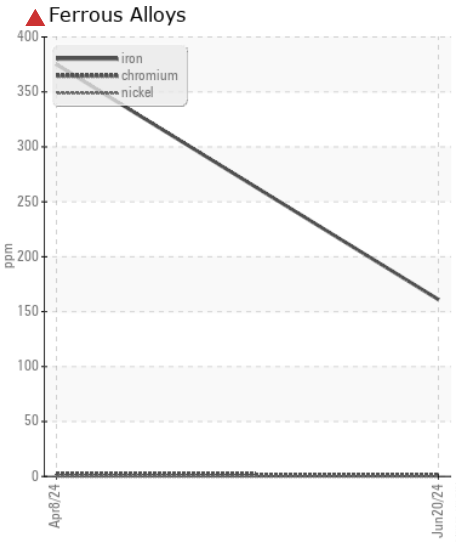


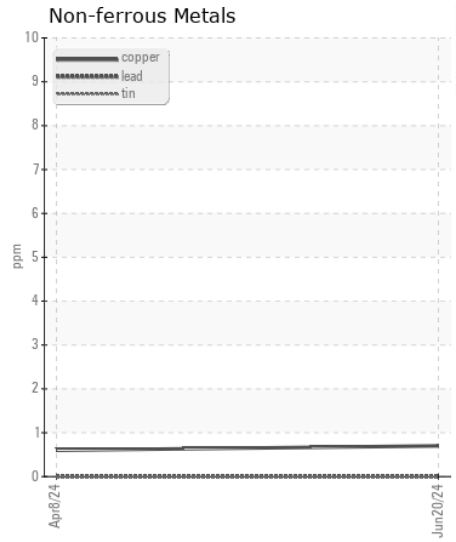


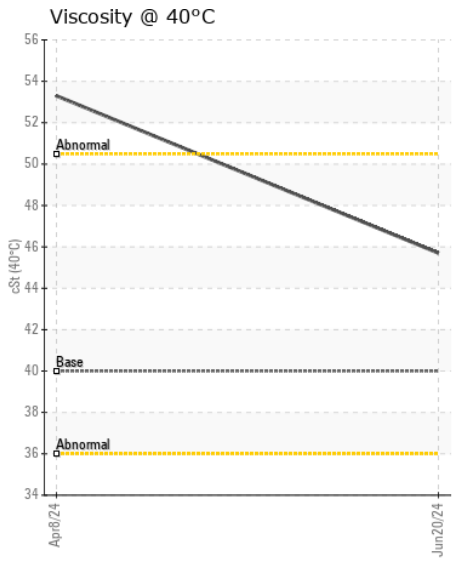


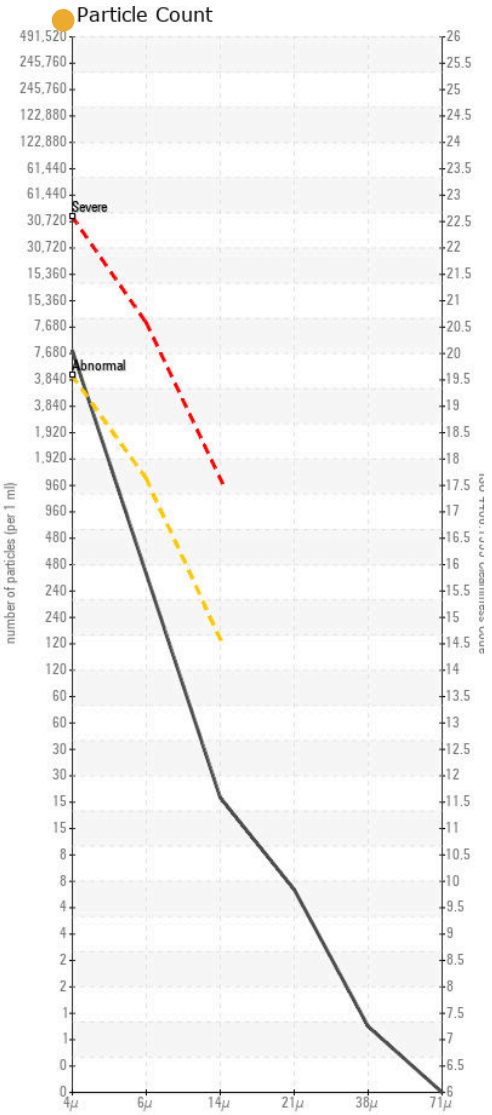












ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0113437
Lab Number : 02644053
Unique Number : 5801592
Test Package : MOB 1 (Additional Tests: PQ, PrtCount)
Received : 25 Jun 2024
Tested : 25 Jun 2024
Diagnosed : 26 Jun 2024 - Kevin Marson

GFL Environmental - 720 - Lafleche - Landfill
17125 Lafleche Road,
Moose Creek, ON
CA K0C 1W0
Contact: Charles Bergeron
cbergeron@gflenv.com
T: (613)538-4853
F:

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.