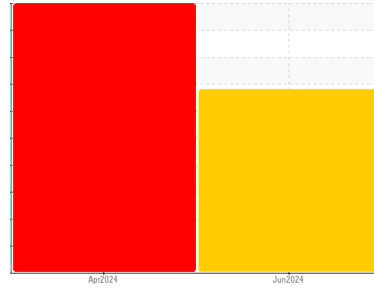




OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id

EX0354

Component

Hydraulic System

Fluid

CASE CASE IH HY-TRAN ULTRA (240 LTR)

DIAGNOSIS

▲ 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.

SAMPLE INFORMATION

	method	limit/base	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	---
Oil Changed	Client Info		Changed	Changed	---
Sample Status			SEVERE	SEVERE	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2
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	---
Antimony	ppm	ASTM D5185(m)	0	0	---
Vanadium	ppm	ASTM D5185(m)	0	0	---
Beryllium	ppm	ASTM D5185(m)	0	0	---
Cadmium	ppm	ASTM D5185(m)	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
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	---
Lithium	ppm	ASTM D5185(m)	<1	<1	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >25	1	4	---
Sodium	ppm	ASTM D5185(m)	1	3	---
Potassium	ppm	ASTM D5185(m) >20	1	3	---

