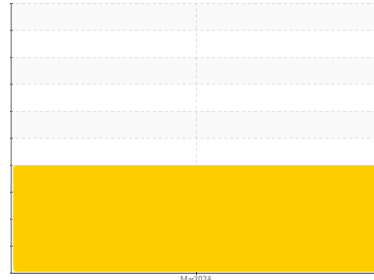# OIL ANALYSIS REPORT

Sample Rating Trend

DIRT

Area
Goodyear - G04000
Machine Id
A2403116
Component
Hydraulic System
Fluid
AW HYDRAULIC OIL ISO 68 (--- LTR)

DIAGNOSIS

🟠 **Wear**
Copper, iron and lead ppm levels are noted.

🟠 **Contamination**
Silicon ppm levels are notably high.

SAMPLE INFORMATION	method	limit/base	current	history1	history2
Batch #	Client Info		**2024 03 0370**	---	---
Department	Client Info		**Production**	---	---
Sample From	Client Info		**Machine**	---	---
Production Stage	Client Info		**Initial**	---	---
Sent to WC	Client Info		**03/18/2024**	---	---
Sample Number	Client Info		**E30001701**	---	---
Sample Date	Client Info		**15 Mar 2024**	---	---
Machine Age	hrs	Client Info	**0**	---	---
Oil Age	hrs	Client Info	**0**	---	---
Oil Changed	Client Info		**N/A**	---	---
Sample Status			**ATTENTION**	---	---

CONTAMINATION	method	limit/base	current	history1	history2
Water	WC Method	>0.05	**NEG**	---	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	🟠 **47**	---	---
Chromium	ppm	ASTM D5185(m)	>10	**<1**	---	---
Nickel	ppm	ASTM D5185(m)	>10	**1**	---	---
Titanium	ppm	ASTM D5185(m)		**0**	---	---
Silver	ppm	ASTM D5185(m)		**0**	---	---
Aluminum	ppm	ASTM D5185(m)	>10	**4**	---	---
Lead	ppm	ASTM D5185(m)	>20	🟠 **16**	---	---
Copper	ppm	ASTM D5185(m)	>20	🟠 **109**	---	---
Tin	ppm	ASTM D5185(m)	>10	**0**	---	---
Antimony	ppm	ASTM D5185(m)		**0**	---	---
Vanadium	ppm	ASTM D5185(m)		**0**	---	---
Beryllium	ppm	ASTM D5185(m)		**0**	---	---
Cadmium	ppm	ASTM D5185(m)		**<1**	---	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	5	**3**	---	---
Barium	ppm	ASTM D5185(m)	5	**<1**	---	---
Molybdenum	ppm	ASTM D5185(m)	5	**0**	---	---
Manganese	ppm	ASTM D5185(m)		**0**	---	---
Magnesium	ppm	ASTM D5185(m)	25	**6**	---	---
Calcium	ppm	ASTM D5185(m)	200	**43**	---	---
Phosphorus	ppm	ASTM D5185(m)	300	**654**	---	---
Zinc	ppm	ASTM D5185(m)	370	**490**	---	---
Sulfur	ppm	ASTM D5185(m)	2500	**2071**	---	---
Lithium	ppm	ASTM D5185(m)		**<1**	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	🟠 **12**	---	---
Sodium	ppm	ASTM D5185(m)		**<1**	---	---
Potassium	ppm	ASTM D5185(m)	>20	**<1**	---	---

OIL ANALYSIS REPORT

Non-ferrous Metals

(Graph: ppm vs time — copper, lead, tin; Mar15/24 to Mar15/24)

Ferrous Alloys

(Graph: ppm vs time — iron, chromium, nickel; Mar15/24 to Mar15/24)

Silicon (ppm)

(Graph: ppm vs time — Severe ~50, Abnormal ~15; Mar15/24 to Mar15/24)
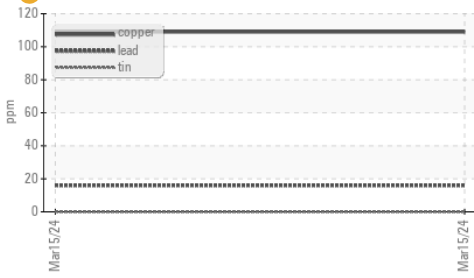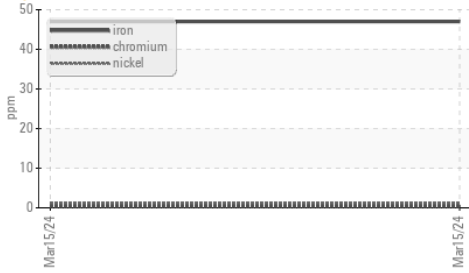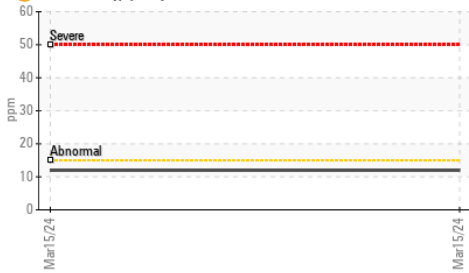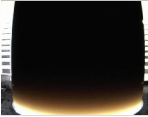
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	**NONE**	---	---
Yellow Metal	scalar	Visual*	NONE	**NONE**	---	---
Precipitate	scalar	Visual*	NONE	**NONE**	---	---
Silt	scalar	Visual*	NONE	**NONE**	---	---
Debris	scalar	Visual*	NONE	**NONE**	---	---
Sand/Dirt	scalar	Visual*	NONE	**NONE**	---	---
Appearance	scalar	Visual*	NORML	**NORML**	---	---
Odor	scalar	Visual*	NORML	**NORML**	---	---

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

GRAPHS