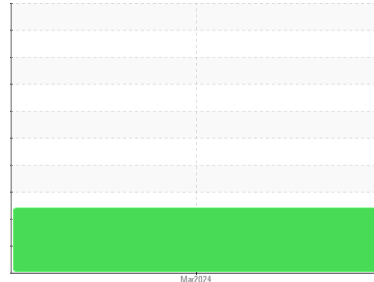# OIL ANALYSIS REPORT

Sample Rating Trend

DIRT

Area
Autoneum Can - A09100
Machine Id
A2403046
Component
Hydraulic System
Fluid
AW HYDRAULIC OIL ISO 46 (--- GAL)

DIAGNOSIS

🟠 **Recommendation**

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

🟠 **Wear**

Copper ppm levels are noted.

🟠 **Contamination**

Silicon ppm levels are notably high.

SAMPLE INFORMATION	method	limit/base	current	history1	history2
Batch #	Client Info		**2024 02 0480**	---	---
Department	Client Info		**Production**	---	---
Sample From	Client Info		**Machine**	---	---
Production Stage	Client Info		**Initial**	---	---
Sent to WC	Client Info		**03/07/2024**	---	---
Sample Number	Client Info		**E30001535**	---	---
Sample Date	Client Info		**07 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	**6**	---	---
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	**<1**	---	---
Lead	ppm	ASTM D5185(m)	>20	**6**	---	---
Copper	ppm	ASTM D5185(m)	>20	🟠 **11**	---	---
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)		**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	**8**	---	---
Calcium	ppm	ASTM D5185(m)	200	**45**	---	---
Phosphorus	ppm	ASTM D5185(m)	300	**425**	---	---
Zinc	ppm	ASTM D5185(m)	370	**438**	---	---
Sulfur	ppm	ASTM D5185(m)	2500	**1585**	---	---
Lithium	ppm	ASTM D5185(m)		**<1**	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	🟠 **30**	---	---
Sodium	ppm	ASTM D5185(m)		**<1**	---	---
Potassium	ppm	ASTM D5185(m)	>20	**<1**	---	---

Non-ferrous Metals

copper
lead
tin

Silicon (ppm)

Severe
Abnormal
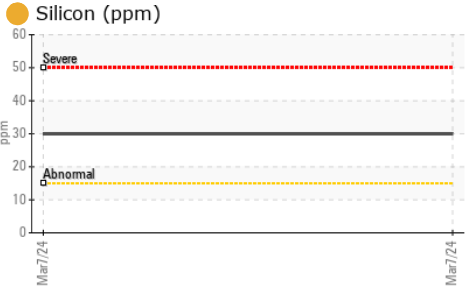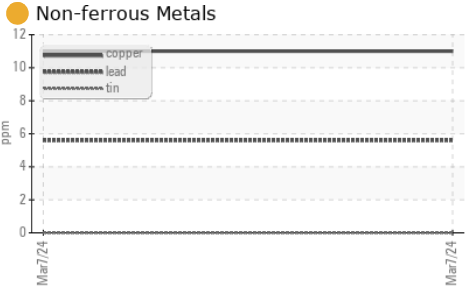
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	**NONE**	---	---
Yellow Metal	scalar	Visual*	NONE	**NONE**	---	---
Precipitate	scalar	Visual*	NONE	**NONE**	---	---
Silt	scalar	Visual*	NONE	**NONE**	---	---
Debris	scalar	Visual*	NONE	**NONE**	---	---
Sand/Dirt	scalar	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