OIL ANALYSIS REPORT

Sample Rating Trend

WEAR

Area
Precision Stamping - P08500
Machine Id
A2403044
Component
Gear Unit
Fluid
GEAR OIL ISO 150 (--- GAL)

DIAGNOSIS

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

Wear
Copper and iron ppm levels are noted.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Batch #		Client Info		**2024 03 0050**	---	---
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		**E30001533**	---	---
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	>0.2	**NEG**	---	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>200	**21**	---	---
Chromium	ppm	ASTM D5185(m)	>10	**0**	---	---
Nickel	ppm	ASTM D5185(m)	>10	**<1**	---	---
Titanium	ppm	ASTM D5185(m)		**0**	---	---
Silver	ppm	ASTM D5185(m)		**0**	---	---
Aluminum	ppm	ASTM D5185(m)		**2**	---	---
Lead	ppm	ASTM D5185(m)		**5**	---	---
Copper	ppm	ASTM D5185(m)		**28**	---	---
Tin	ppm	ASTM D5185(m)		**0**	---	---
Antimony	ppm	ASTM D5185(m)	>5	**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)	50	**1**	---	---
Barium	ppm	ASTM D5185(m)	15	**0**	---	---
Molybdenum	ppm	ASTM D5185(m)	15	**0**	---	---
Manganese	ppm	ASTM D5185(m)		**0**	---	---
Magnesium	ppm	ASTM D5185(m)	50	**1**	---	---
Calcium	ppm	ASTM D5185(m)	50	**3**	---	---
Phosphorus	ppm	ASTM D5185(m)	350	**217**	---	---
Zinc	ppm	ASTM D5185(m)	100	**98**	---	---
Sulfur	ppm	ASTM D5185(m)	12500	**2126**	---	---
Lithium	ppm	ASTM D5185(m)		**<1**	---	---

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

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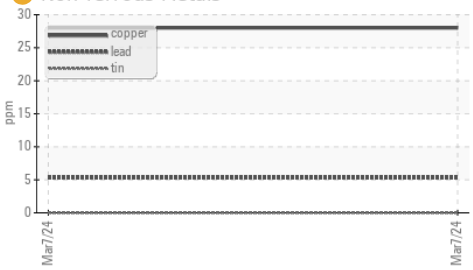
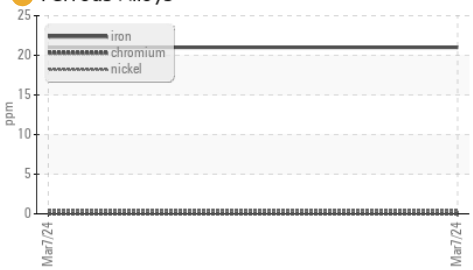
Non-ferrous Metals



Ferrous Alloys



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

ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : E30001533 **Received** : 11 Mar 2024
Lab Number : 02621272 **Tested** : 11 Mar 2024
Unique Number : 5746391 **Diagnosed** : 11 Mar 2024 - Tatiana Sorkina
Test Package : TEST (Additional Tests: ICP)

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To discuss this sample report, contact Customer Service at 1-905-372-2251.
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.