



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
100L SPARE TANK

Component
New (Unused) Oil

Fluid
AW HYDRAULIC OIL ISO 46 (--- GAL)

RECOMMENDATION

This is the baseline readout on this new (unused) oil. The fluid is suitable for service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0896347	---	---
Sample Date		Client Info		15 Feb 2024	---	---
Machine Age	hrs	Client Info		900	---	---
Oil Age	hrs	Client Info		900	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

WEAR

{not applicable}

Iron	ppm	ASTM D5185(m)		0	---	---
Chromium	ppm	ASTM D5185(m)		0	---	---
Nickel	ppm	ASTM D5185(m)		<1	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)		0	---	---
Aluminum	ppm	ASTM D5185(m)		<1	---	---
Lead	ppm	ASTM D5185(m)		<1	---	---
Copper	ppm	ASTM D5185(m)		0	---	---
Tin	ppm	ASTM D5185(m)		0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

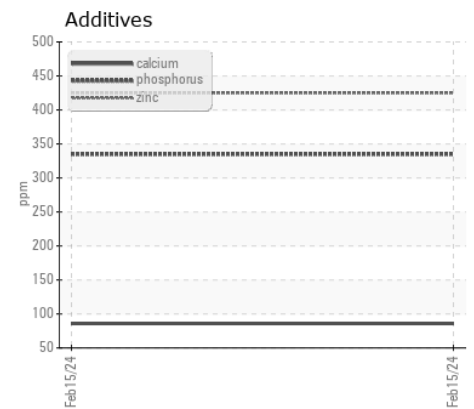
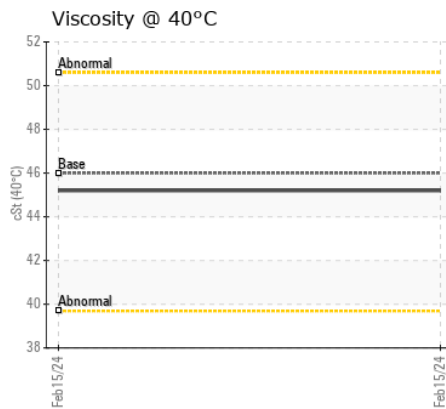
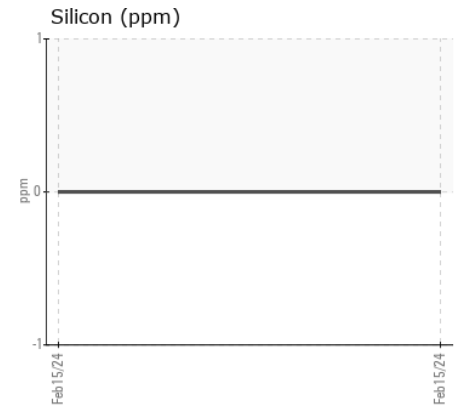
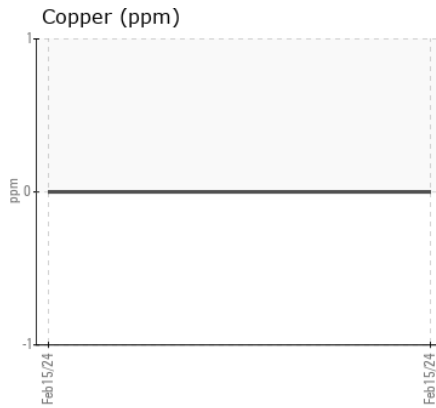
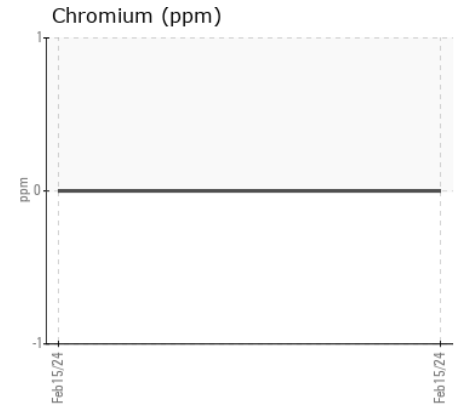
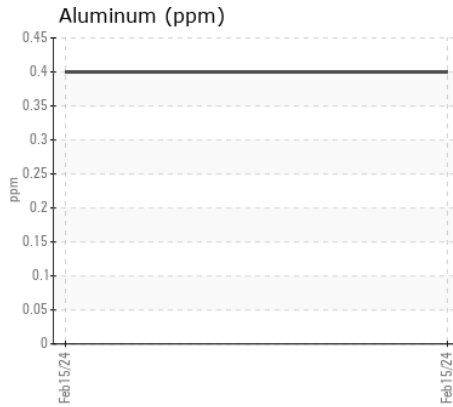
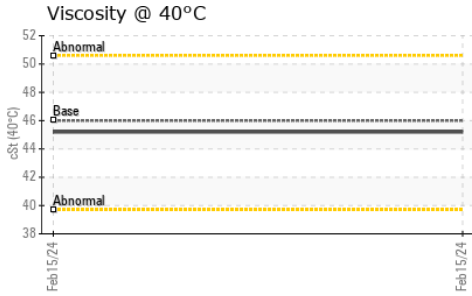
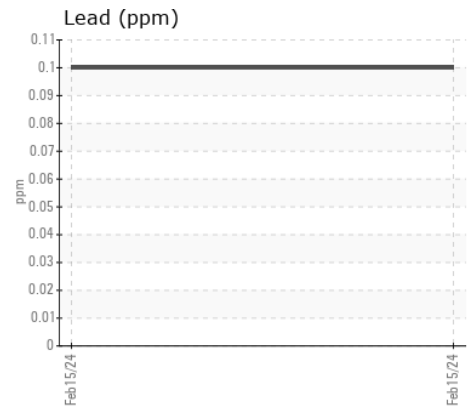
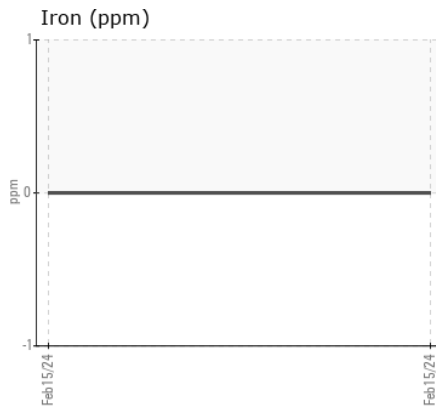
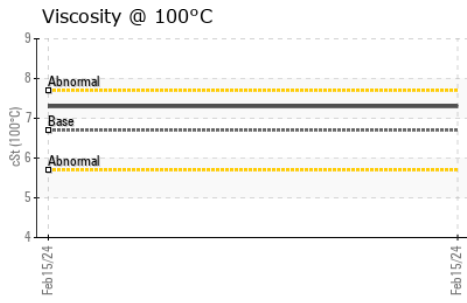
There is no indication of any contamination in the new (unused) oil.

Silicon	ppm	ASTM D5185(m)		0	---	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---	---
Water		WC Method		NEG	---	---
Soot %	%	ASTM D7844*		0	---	---
Nitration	Abs/cm	ASTM D7624*		1.9	---	---
Sulfation	Abs/.1mm	ASTM D7415*		11.3	---	---
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	---	---
Emulsified Water	scalar	Visual*		NEG	---	---

FLUID CONDITION

The condition of the oil is suitable for service.

Sodium	ppm	ASTM D5185(m)		0	---	---
Boron	ppm	ASTM D5185(m)	5	2	---	---
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	4	---	---
Calcium	ppm	ASTM D5185(m)	200	86	---	---
Phosphorus	ppm	ASTM D5185(m)	300	335	---	---
Zinc	ppm	ASTM D5185(m)	370	425	---	---
Sulfur	ppm	ASTM D5185(m)	2500	886	---	---
Oxidation	Abs/.1mm	ASTM D7414*		2.7	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	46	45.2	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	6.7	7.3	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	97	123	---	---



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0896347 **Received** : 27 Feb 2024
Lab Number : 02618403 **Tested** : 28 Feb 2024
Unique Number : 5735513 **Diagnosed** : 28 Feb 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: FT-IR, ICP-NewOil, KV100, VI)

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.

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