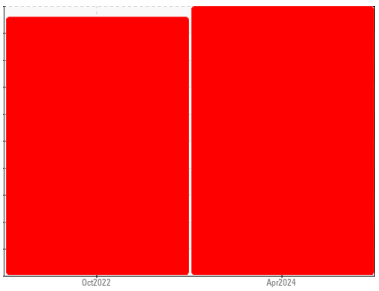
PROBLEM SUMMARY

Sample Rating Trend

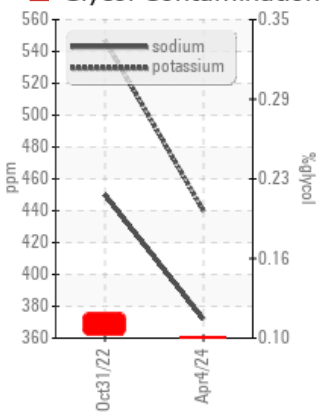


GLYCOL

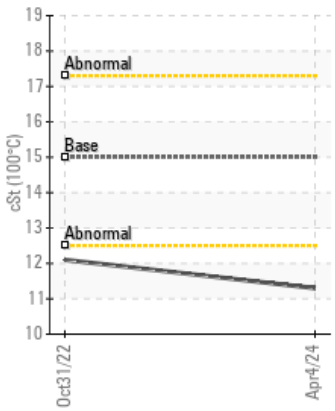
Machine Id
0475 CAN AM UTV
Component
Diesel Engine
Fluid
MOBIL DELVAC 1 5W40 (--- GAL)

COMPONENT CONDITION SUMMARY

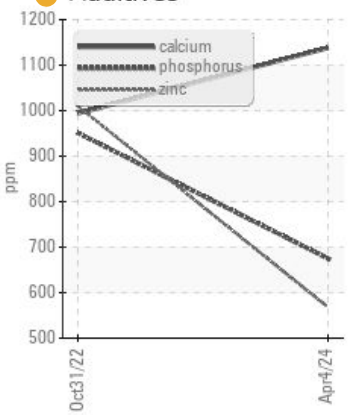
▲ Glycol Contamination



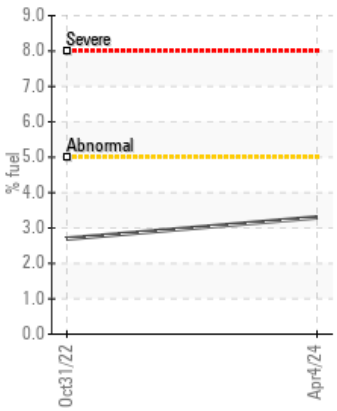
▲ Viscosity @ 100°C



● Additives



▲ Fuel Dilution



RECOMMENDATION

We advise that you check for the source of the coolant leak. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample.

PROBLEMATIC TEST RESULTS

Sample Status				**SEVERE**	SEVERE	---
Potassium	ppm	ASTM D5185m	>20	▲ **440**	▲ 547	---
Fuel	%	ASTM D3524	>5	▲ **3.3**	▲ 2.7	---
Glycol	%	*ASTM D2982		▲ **0.10**	▲ 0.12	---
Visc @ 100°C	cSt	ASTM D445	15.0	▲ **11.3**	● 12.1	---

Customer Id: CONLINNE
Sample No.: SBP0006369
Lab Number: 06143532
Test Package: FLEET

To manage this report scan the QR code

To discuss the diagnosis or test data:
Wes Davis +1 905-569-8600 x223
wesd@wearcheck.ca

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Resample	---	---	?	We recommend an early resample to monitor this condition.
Information Required	---	---	?	Please specify the component make and model with your next sample.
Check Glycol Access	---	---	?	We advise that you check for the source of the coolant leak.

HISTORICAL DIAGNOSIS

GLYCOL

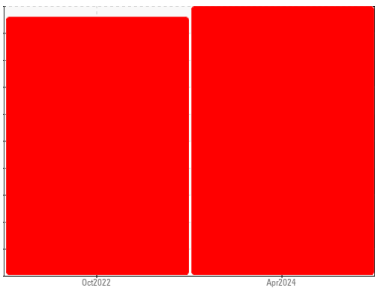
31 Oct 2022 Diag: Jonathan Hester

We advise that you check for the source of the coolant leak. Check for low coolant level. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.All component wear rates are normal. Sodium and/or potassium levels are high. Test for glycol is positive. Light fuel dilution occurring. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

view report

OIL ANALYSIS REPORT

Sample Rating Trend



GLYCOL

Machine Id
0475 CAN AM UTV
Component
Diesel Engine
Fluid
MOBIL DELVAC 1 5W40 (--- GAL)

DIAGNOSIS

Recommendation
We advise that you check for the source of the coolant leak. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample.

Wear
All component wear rates are normal.

Contamination
Test for glycol is positive. Light fuel dilution occurring. There is a high concentration of glycol present in the oil.

Fluid Condition
The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**SBP0006369**	SBP0002122	---
Sample Date		Client Info		**04 Apr 2024**	31 Oct 2022	---
Machine Age	hrs	Client Info		**1395**	1259	---
Oil Age	hrs	Client Info		**136**	251	---
Oil Changed		Client Info		**Changed**	Changed	---
Sample Status				**SEVERE**	SEVERE	---

CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.2	**NEG**	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	**14**	34	---
Chromium	ppm	ASTM D5185m	>20	**1**	2	---
Nickel	ppm	ASTM D5185m	>4	**<1**	0	---
Titanium	ppm	ASTM D5185m		**<1**	0	---
Silver	ppm	ASTM D5185m	>3	**0**	0	---
Aluminum	ppm	ASTM D5185m	>20	**2**	3	---
Lead	ppm	ASTM D5185m	>40	**6**	7	---
Copper	ppm	ASTM D5185m	>330	**13**	13	---
Tin	ppm	ASTM D5185m	>15	**1**	<1	---
Vanadium	ppm	ASTM D5185m		**<1**	0	---
Cadmium	ppm	ASTM D5185m		**<1**	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	291	**4**	10	---
Barium	ppm	ASTM D5185m	0.0	**<1**	0	---
Molybdenum	ppm	ASTM D5185m	8.0	**66**	167	---
Manganese	ppm	ASTM D5185m		**2**	1	---
Magnesium	ppm	ASTM D5185m	624	**185**	464	---
Calcium	ppm	ASTM D5185m	2158	**1138**	994	---
Phosphorus	ppm	ASTM D5185m	1132	**675**	951	---
Zinc	ppm	ASTM D5185m	1300	**568**	1010	---
Sulfur	ppm	ASTM D5185m	3616	**3256**	4616	---

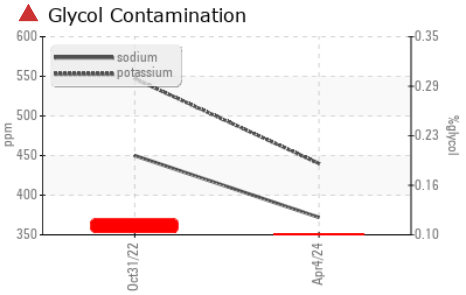
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	**6**	24	---
Sodium	ppm	ASTM D5185m		**372**	450	---
Potassium	ppm	ASTM D5185m	>20	**440**	547	---
Fuel	%	ASTM D3524	>5	**3.3**	2.7	---
Glycol	%	*ASTM D2982		**0.10**	0.12	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	**0.3**	0.1	---
Nitration	Abs/cm	*ASTM D7624	>20	**8.3**	12.6	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	**19.7**	34.8	---

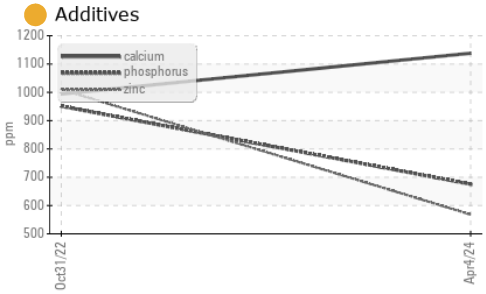
FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	**14.3**	32	---
Base Number (BN)	mg KOH/g	ASTM D2896	11.0	**7.4**	7.1	---

OIL ANALYSIS REPORT

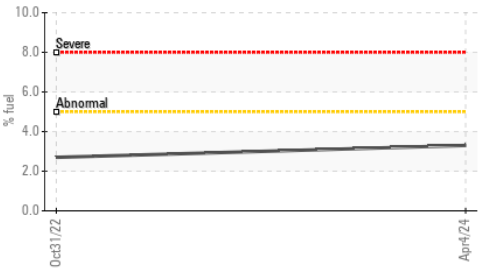
Glycol Contamination



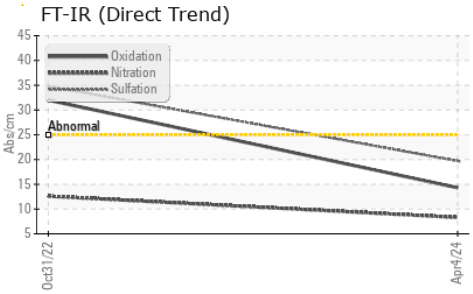
Additives



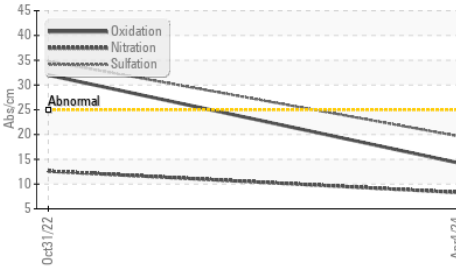
Fuel Dilution



FT-IR (Direct Trend)



FT-IR (Direct Trend)

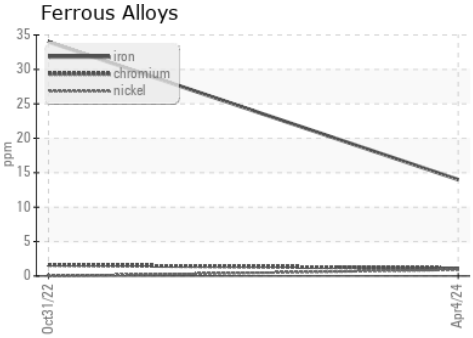


VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	---
Silt	scalar	*Visual	NONE	**NONE**	NONE	---
Debris	scalar	*Visual	NONE	**NONE**	NONE	---
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	---
Appearance	scalar	*Visual	NORML	**NORML**	NORML	---
Odor	scalar	*Visual	NORML	**NORML**	NORML	---
Emulsified Water	scalar	*Visual	>0.2	**NEG**	NEG	---
Free Water	scalar	*Visual		**NEG**	NEG	---

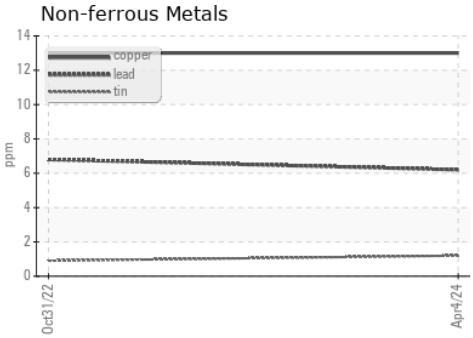
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.0	▲ **11.3**	12.1	---

GRAPHS

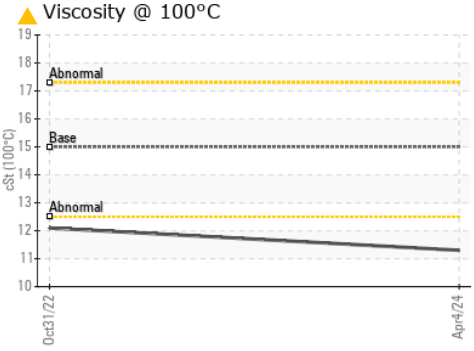
Ferrous Alloys



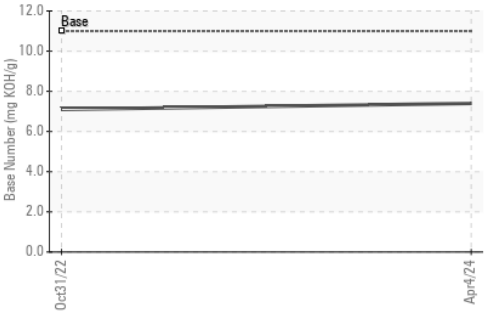
Non-ferrous Metals



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : SBP0006369
Lab Number : 06143532
Unique Number : 10968340
Test Package : FLEET (Additional Tests: FuelDilution, PercentFuel)

Received : 09 Apr 2024
Tested : 15 Apr 2024
Diagnosed : 15 Apr 2024 - Wes Davis

To discuss this sample report, contact Customer Service at 1-800-237-1369.
** - Denotes test methods that are outside of the ISO 17025 scope of accreditation.*
Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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