



**PERFORMANCE  
UNDER  
PRESSURE**

**OIL ANALYSIS REPORT**

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**MILACRON EXT 3 (S/N E10A0100007)**

Component  
**Gearbox**

Fluid  
**TRIBOL GEAROIL 1100/320 (95 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>RP0028976</b>	RP0028996	RP0020829
Sample Date		Client Info		<b>21 Dec 2023</b>	28 Jun 2023	16 Jan 2023
Machine Age	hrs	Client Info		<b>34668</b>	31346	29432
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	<b>7</b>	6	5
Chromium	ppm	ASTM D5185m	>15	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m	>15	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>5</b>	0	0
Lead	ppm	ASTM D5185m	>100	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>200	<b>3</b>	3	3
Tin	ppm	ASTM D5185m	>25	<b>1</b>	1	2
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>MODER</b>	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

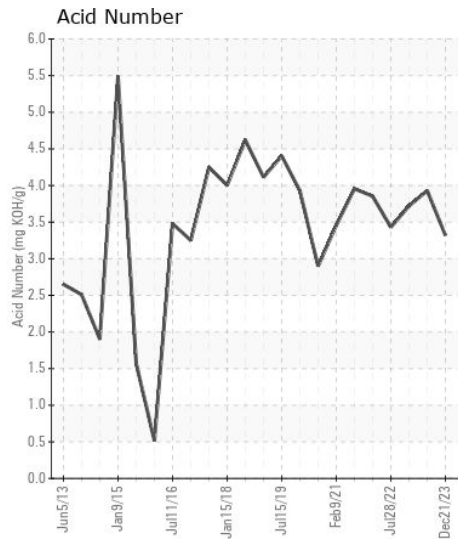
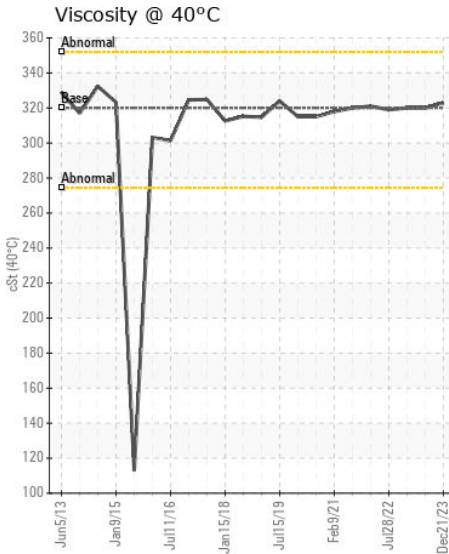
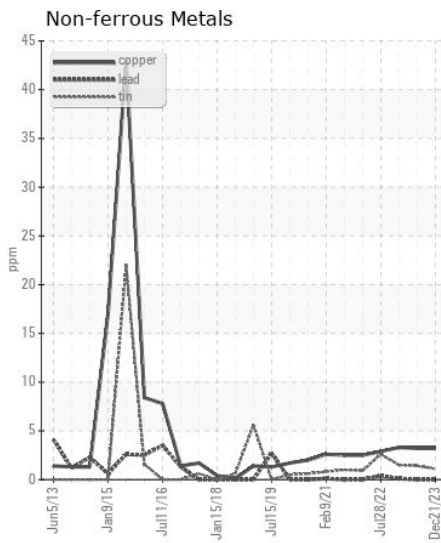
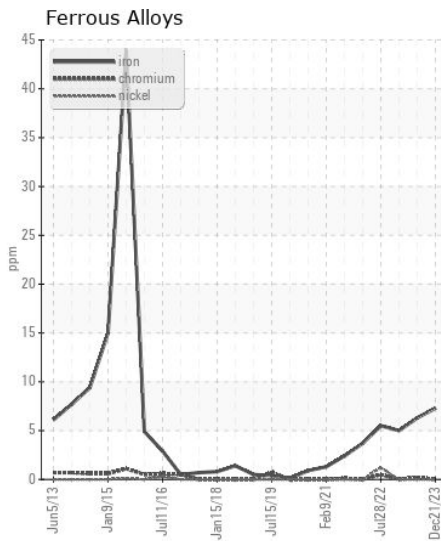
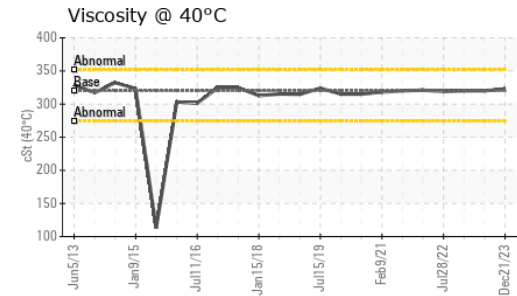
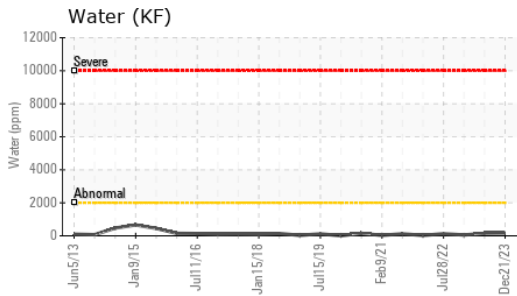
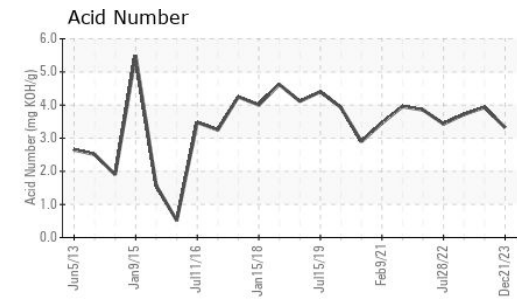
The water content is negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>21</b>	16	18
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	0
Water	%	ASTM D6304	>0.2	<b>0.016</b>	0.015	0.005
ppm Water	ppm	ASTM D6304	>2000	<b>168</b>	151.5	51.8
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	2	2
Boron	ppm	ASTM D5185m		<b>0</b>	60	46
Barium	ppm	ASTM D5185m		<b>4</b>	6	3
Molybdenum	ppm	ASTM D5185m		<b>1845</b>	2025	1781
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	0
Magnesium	ppm	ASTM D5185m		<b>0</b>	2	<1
Calcium	ppm	ASTM D5185m		<b>55</b>	102	90
Phosphorus	ppm	ASTM D5185m		<b>3044</b>	3554	3003
Zinc	ppm	ASTM D5185m		<b>1050</b>	1252	1007
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>3.32</b>	3.93	3.72
Visc @ 40°C	cSt	ASTM D445	320	<b>323</b>	320	320



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RP0028976 **Received** : 09 Jan 2024  
**Lab Number** : 06055943 **Diagnosed** : 10 Jan 2024  
**Unique Number** : 10821892 **Diagnostician** : Wes Davis  
**Test Package** : PLANT ( Additional Tests: KF )

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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)