



# OIL ANALYSIS REPORT

WEAR	ATTENTION
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area  
**Store 5 - Cross Lanes [152219]**

Machine Id  
**BANDIT 18XP 520548**

Component  
**Gasoline Engine**

Fluid  
**GASOLINE ENGINE OIL SAE 10W30 (1 GAL)**

## RECOMMENDATION

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0050449</b>	LEC0049369	LEC0031415
Sample Date		Client Info		<b>18 Jun 2024</b>	02 May 2024	03 Apr 2024
Machine Age	hrs	Client Info		<b>775</b>	743	696
Oil Age	hrs	Client Info		<b>32</b>	177	130
Filter Age	hrs	Client Info		<b>32</b>	177	130
Oil Changed		Client Info		<b>Not Changd</b>	Changed	Not Changd
Filter Changed		Client Info		<b>Not Changd</b>	Changed	Not Changd
Sample Status				<b>ABNORMAL</b>	ABNORMAL	SEVERE

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>150	<b>7</b>	12	38
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	1	2
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	1	1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m	>2	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>40	<b>3</b>	6	8
Lead	ppm	ASTM D5185m	>50	<b>2</b>	4	6
Copper	ppm	ASTM D5185m	>155	<b>1</b>	1	3
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	3	2
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

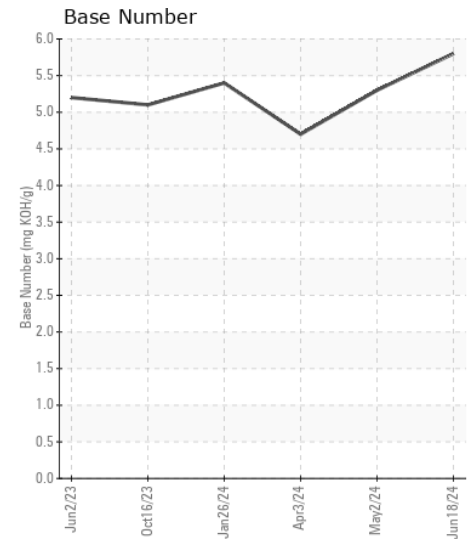
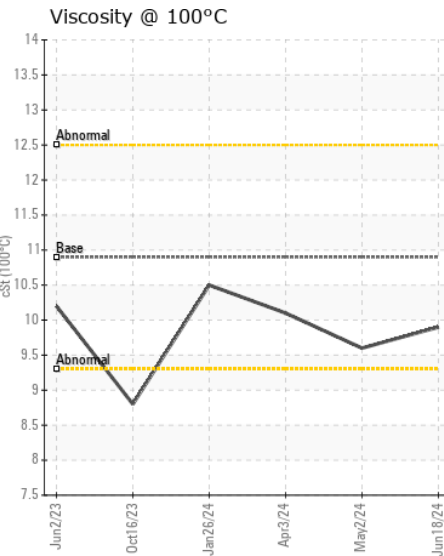
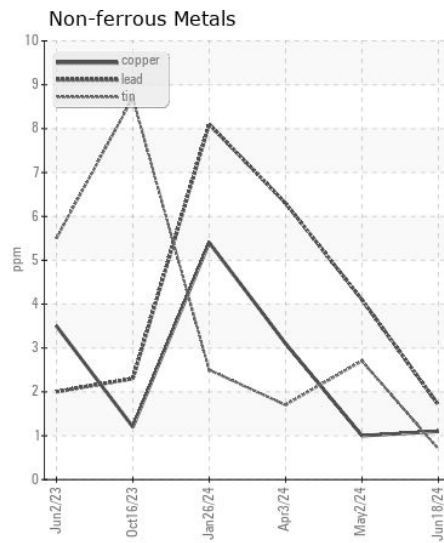
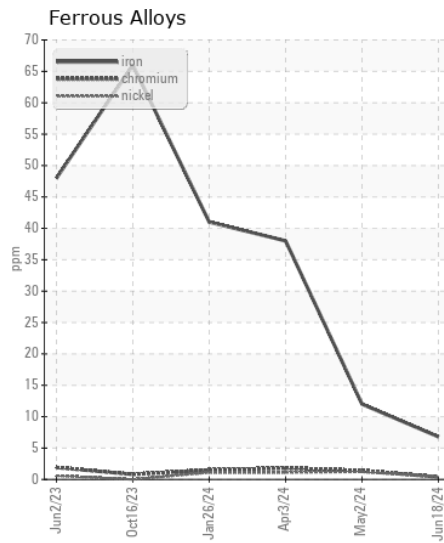
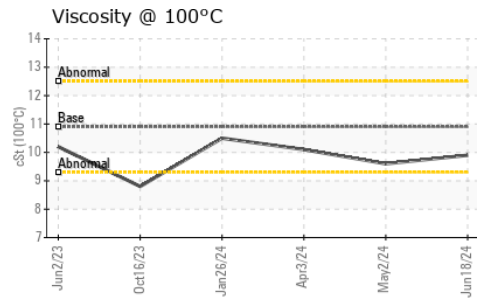
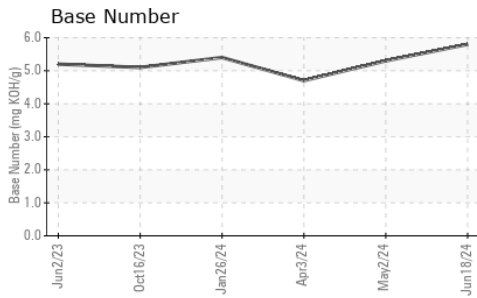
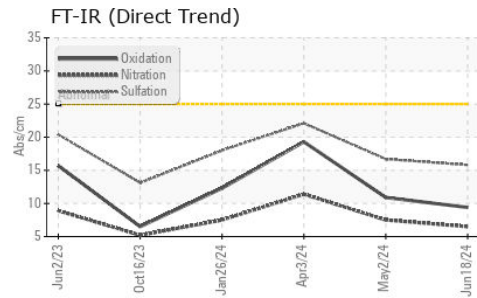
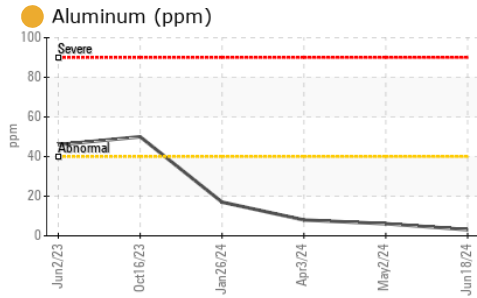
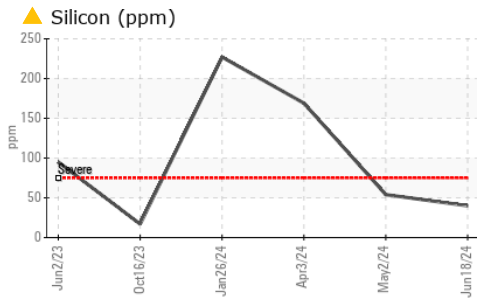
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>120	<b>40</b>	54	169
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	3	3
Fuel		WC Method	>4.0	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844		<b>0.1</b>	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	<b>6.5</b>	7.5	11.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>15.8</b>	16.7	22.1
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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>400	<b>&lt;1</b>	2	6
Boron	ppm	ASTM D5185m	75	<b>124</b>	76	44
Barium	ppm	ASTM D5185m	5	<b>&lt;1</b>	0	<1
Molybdenum	ppm	ASTM D5185m	100	<b>94</b>	84	138
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	2	2
Magnesium	ppm	ASTM D5185m	12	<b>551</b>	643	767
Calcium	ppm	ASTM D5185m	2100	<b>1035</b>	1102	951
Phosphorus	ppm	ASTM D5185m	650	<b>616</b>	693	745
Zinc	ppm	ASTM D5185m	850	<b>700</b>	803	915
Sulfur	ppm	ASTM D5185m	2500	<b>2543</b>	3251	2512
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>9.4</b>	10.9	19.3
Base Number (BN)	mg KOH/g	ASTM D2896		<b>5.8</b>	5.3	4.7
Visc @ 100°C	cSt	ASTM D445	10.9	<b>9.9</b>	9.6	10.1



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0050449 **Received** : 20 Jun 2024  
**Lab Number** : 06215477 **Tested** : 21 Jun 2024  
**Unique Number** : 11088341 **Diagnosed** : 21 Jun 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: TBN )

**LESLIE EQUIPMENT COMPANY**  
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 Contact: LEANNE KENDALL  
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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)

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