LESLIE EQUIPMENT CO.
OIL ANALYSIS REPORT

WEAR	**NORMAL**
CONTAMINATION	**NORMAL**
FLUID CONDITION	**ATTENTION**

Area
Store 9 - Marietta
Machine Id
JOHN DEERE 850K SB4 (S/N EE256189)
Component
Rear Left Final Drive
Fluid
GEAR OIL SAE 90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0049319	---	---
Sample Date		Client Info		17 Jun 2024	---	---
Machine Age	hrs	Client Info		2835	---	---
Oil Age	hrs	Client Info		500	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Not Changd	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				ATTENTION	---	---

WEAR

All component wear rates are normal.

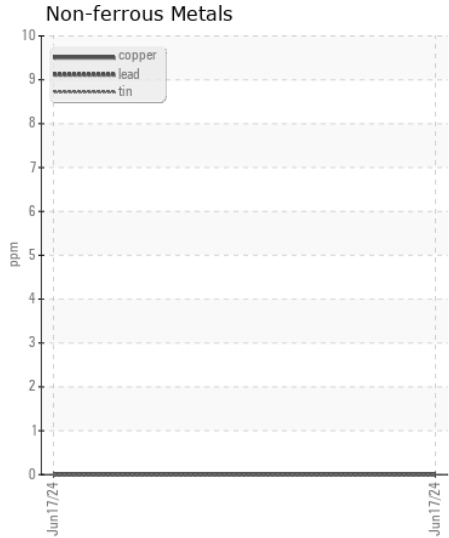| Test	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184	>1250	24	---	---
Iron	ppm	ASTM D5185m	>750	48	---	---
Chromium	ppm	ASTM D5185m	>9	0	---	---
Nickel	ppm	ASTM D5185m	>10	0	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>40	<1	---	---
Lead	ppm	ASTM D5185m	>15	0	---	---
Copper	ppm	ASTM D5185m	>40	0	---	---
Tin	ppm	ASTM D5185m	>10	0	---	---
Vanadium	ppm	ASTM D5185		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

There is no indication of any contamination in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m	>75	3	---	---
Potassium	ppm	ASTM D5185m	>20	<1	---	---
Water		WC Method	>0.075	NEG	---	---
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	>0.075	NEG	---	---

FLUID CONDITION

The oil viscosity is lower than normal. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sodium	ppm	ASTM D5185m	>51	2	---	---
Boron	ppm	ASTM D5185m	400	10	---	---
Barium	ppm	ASTM D5185m	200	0	---	---
Molybdenum	ppm	ASTM D5185m	12	<1	---	---
Manganese	ppm	ASTM D5185		<1	---	---
Magnesium	ppm	ASTM D5185m	12	18	---	---
Calcium	ppm	ASTM D5185m	150	3462	---	---
Phosphorus	ppm	ASTM D5185m	1650	1298	---	---
Zinc	ppm	ASTM D5185m	125	1414	---	---
Sulfur	ppm	ASTM D5185m	22500	4292	---	---
Visc @ 40°C	cSt	ASTM D445	183	39.5	---	---
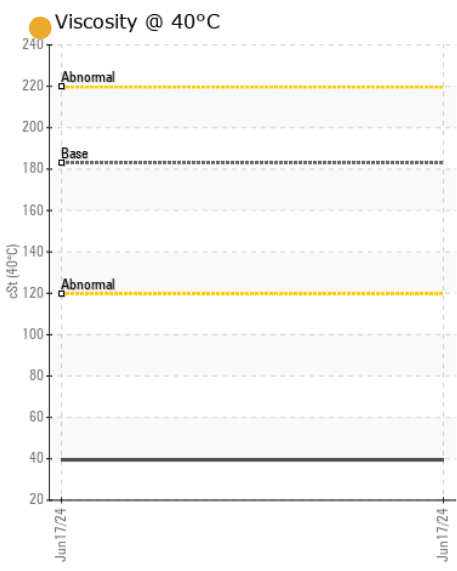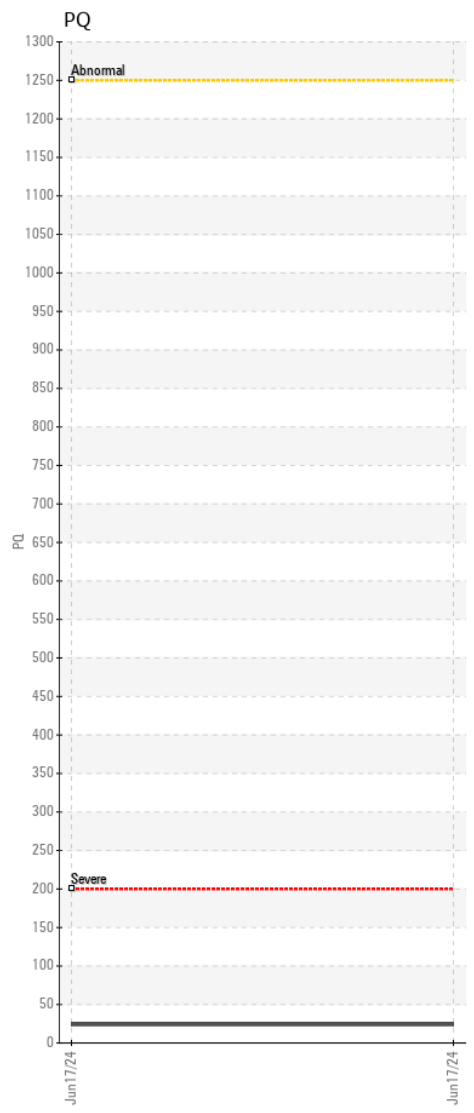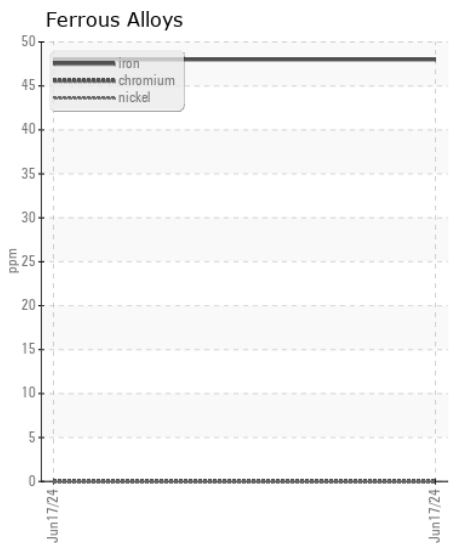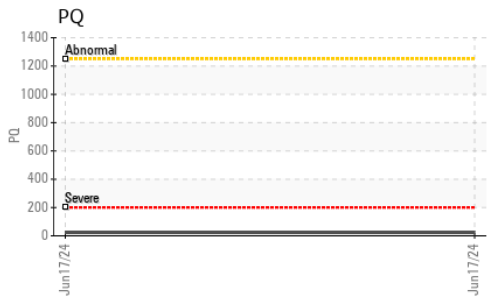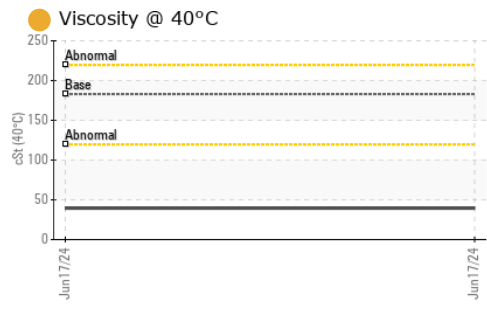
Viscosity @ 40°C

Ferrous Alloys

Legend: iron, chromium, nickel

PQ

PQ

Non-ferrous Metals

Legend: copper, lead, tin

Viscosity @ 40°C

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