



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Area **Store 4 - Fairmont [RO# 152714]**

Machine Id **JLG G12-55A 0160058541**

Component **Rear Axle**

Fluid **GEAR OIL SAE 80W90 (17 QTS)**

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

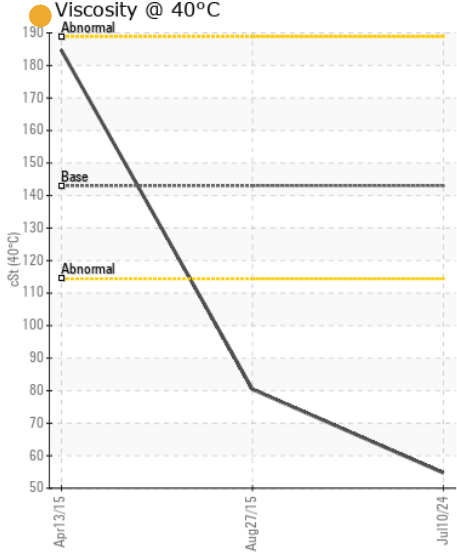
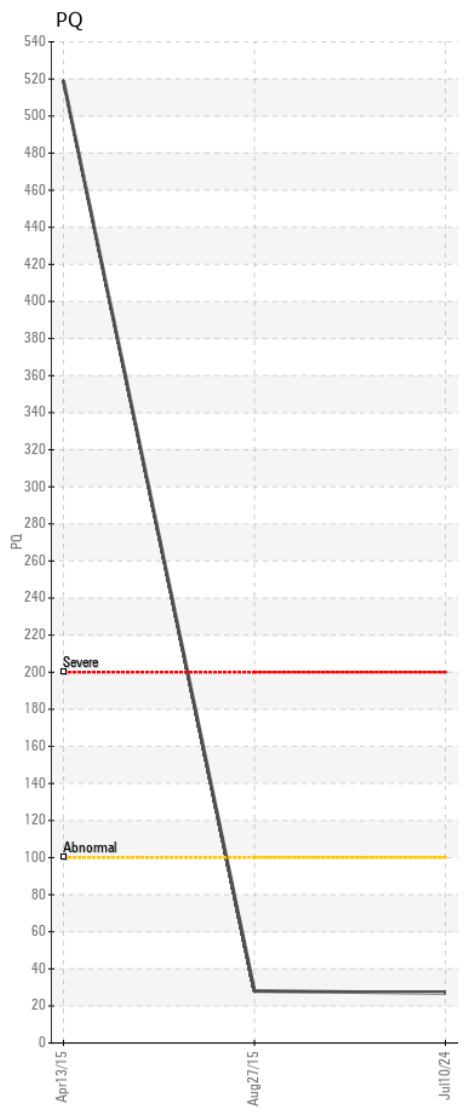
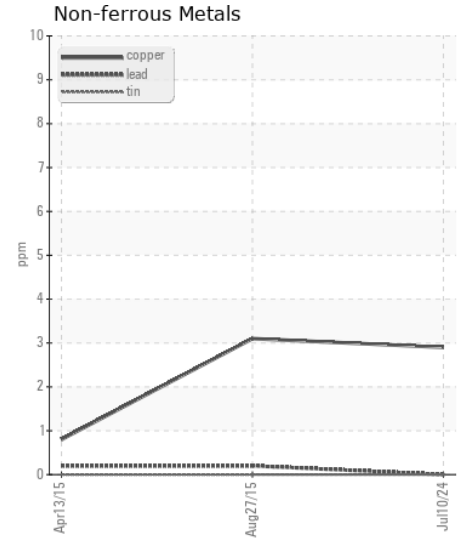
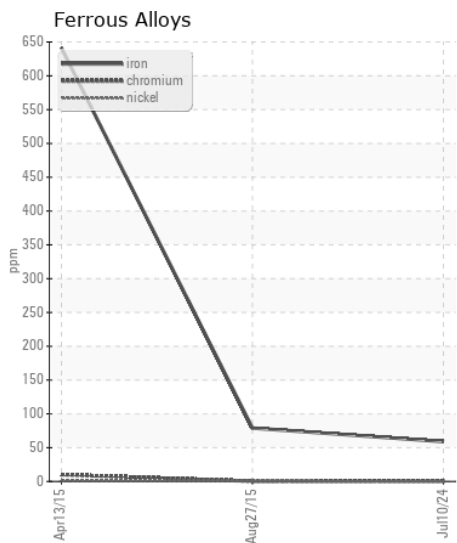
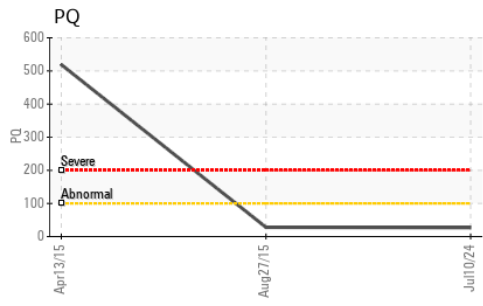
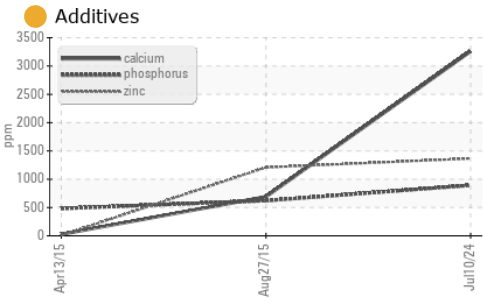
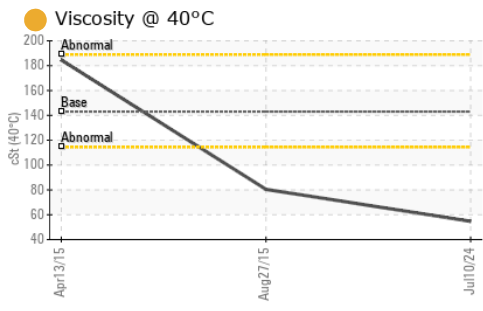
The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0051457	LECP152578	LECP154342
Sample Date		Client Info		10 Jul 2024	27 Aug 2015	13 Apr 2015
Machine Age	hrs	Client Info		3264	1623	1236
Oil Age	hrs	Client Info		1641	1623	1236
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Not Changd
Filter Changed		Client Info		N/A	Not Changd	N/A
Sample Status				ATTENTION	MARGINAL	ABNORMAL

PQ		ASTM D8184		27	28.0	519
Iron	ppm	ASTM D5185m	>500	59	79	641
Chromium	ppm	ASTM D5185m	>10	<1	<1	10
Nickel	ppm	ASTM D5185m	>10	0	<1	1
Titanium	ppm	ASTM D5185m		0	0	10
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	3	<1	140
Lead	ppm	ASTM D5185m	>25	0	<1	<1
Copper	ppm	ASTM D5185m	>50	3	3	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	LIGHT	HEAVY
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>75	20	67	492
Potassium	ppm	ASTM D5185m	>20	2	<1	34
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG

Sodium	ppm	ASTM D5185m	>170	2	5	6
Boron	ppm	ASTM D5185m	400	44	77	60
Barium	ppm	ASTM D5185m	200	0	0	0
Molybdenum	ppm	ASTM D5185m	12	4	0	0
Manganese	ppm	ASTM D5185m		5	11	11
Magnesium	ppm	ASTM D5185m	12	17	0	3
Calcium	ppm	ASTM D5185m	150	3259	690	27
Phosphorus	ppm	ASTM D5185m	1650	893	621	482
Zinc	ppm	ASTM D5185m	125	1366	1208	6
Sulfur	ppm	ASTM D5185m	22500	4730	6666	19302
Visc @ 40°C	cSt	ASTM D445	143	54.7	80.42	184.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0051457 **Received** : 16 Jul 2024
Lab Number : 06238084 **Tested** : 17 Jul 2024
Unique Number : 11126918 **Diagnosed** : 18 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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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)