



OIL ANALYSIS REPORT



Area
Store 9 - Marietta
 Machine Id
1T0700KXAJF327378
 Component
Right Final Drive
 Fluid
GEAR OIL SAE 90 (3 GAL)

WEAR	ATTENTION
CONTAMINATION	ABNORMAL
FLUID CONDITION	ATTENTION

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. 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

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

FLUID CONDITION

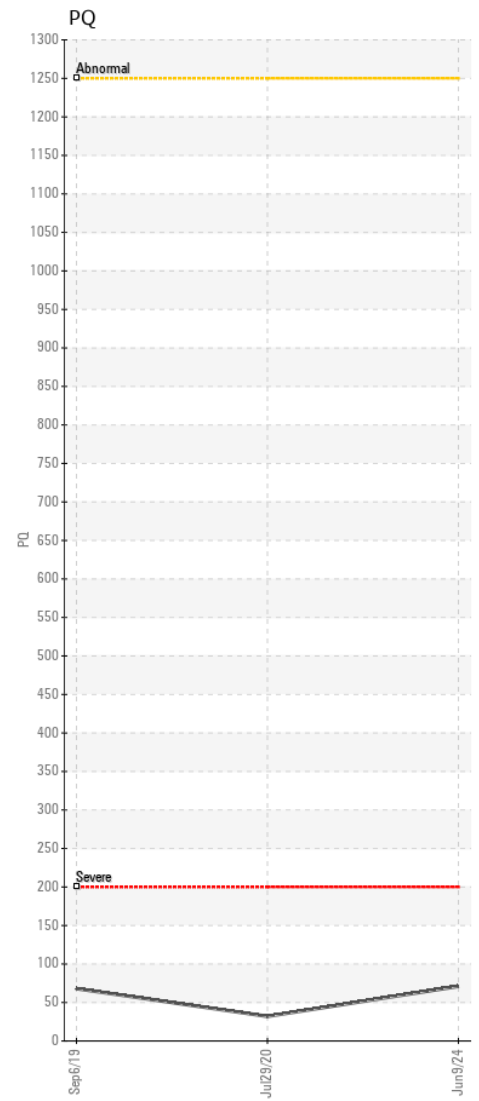
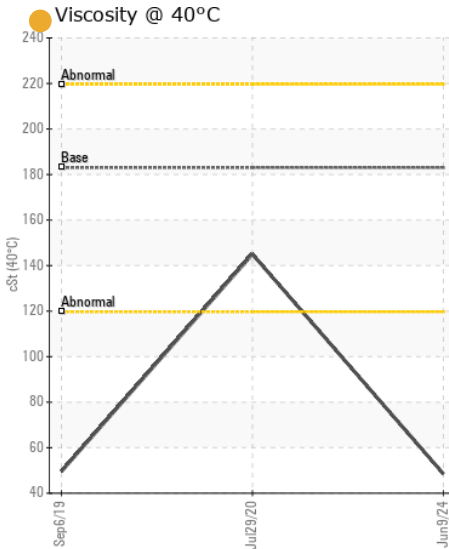
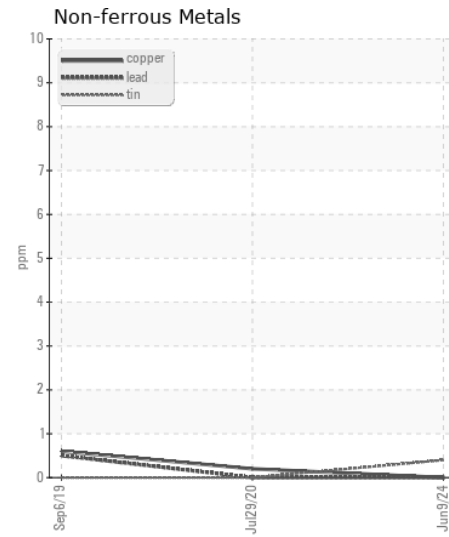
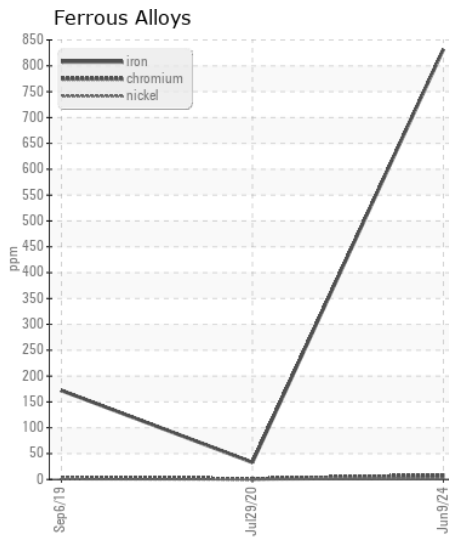
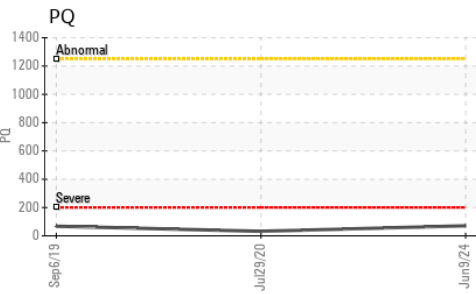
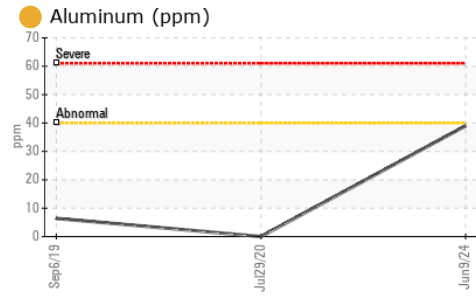
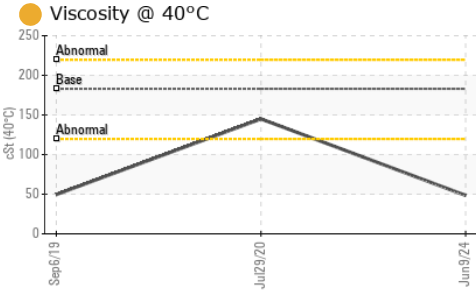
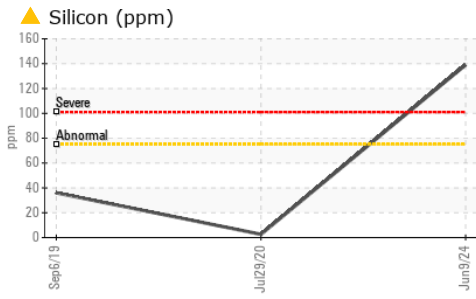
The oil viscosity is lower than normal. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0049298	LECP5047129	LEC0006077
Sample Date		Client Info		09 Jun 2024	29 Jul 2020	06 Sep 2019
Machine Age	hrs	Client Info		3457	0	818
Oil Age	hrs	Client Info		1000	500	818
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	Not Changd
Filter Changed		Client Info		Changed	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL

PQ		ASTM D8184	>1250	71	32	68
Iron	ppm	ASTM D5185m	>750	832	33	172
Chromium	ppm	ASTM D5185m	>9	8	1	4
Nickel	ppm	ASTM D5185m	>10	2	0	<1
Titanium	ppm	ASTM D5185m		2	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	39	0	6
Lead	ppm	ASTM D5185m	>15	0	0	<1
Copper	ppm	ASTM D5185m	>40	0	<1	<1
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>75	139	3	36
Potassium	ppm	ASTM D5185m	>20	25	2	21
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	LIGHT
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	>0.075	NEG	NEG	NEG

Sodium	ppm	ASTM D5185m	>51	9	<1	5
Boron	ppm	ASTM D5185m	400	2	14	4
Barium	ppm	ASTM D5185m	200	0	<1	0
Molybdenum	ppm	ASTM D5185m	12	3	<1	2
Manganese	ppm	ASTM D5185m		12	<1	5
Magnesium	ppm	ASTM D5185m	12	98	2	98
Calcium	ppm	ASTM D5185m	150	3456	54	3502
Phosphorus	ppm	ASTM D5185m	1650	1033	442	968
Zinc	ppm	ASTM D5185m	125	984	2	1231
Sulfur	ppm	ASTM D5185m	22500	4084	17046	3156
Visc @ 40°C	cSt	ASTM D445	183	48.5	145	49.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0049298 **Received** : 03 Jul 2024
Lab Number : 06227716 **Tested** : 05 Jul 2024
Unique Number : 11111209 **Diagnosed** : 06 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

LANE PIPELINE
 2946 E MAIN ST
 BRIDGEPORT, WV
 US 26330

Contact: JESSE WILBURN
 jessewilburn@gmail.com

T: (740)440-0927

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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