CONST

LESLIE EQUIPMENT CO.

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
Store 3 - Norton
Machine Id
CATERPILLAR D6T LGP D19 (S/N H700641)
Component
Hydraulic System
Fluid
{not provided} (--- GAL)

RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

WEAR

The iron level is abnormal. All other component wear rates are normal.

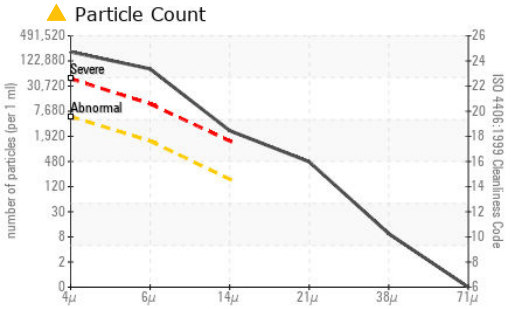
CONTAMINATION

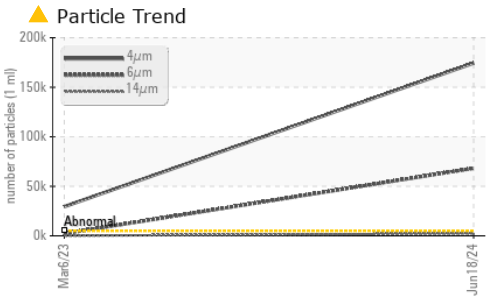
There is a high amount of particulates present in the oil.

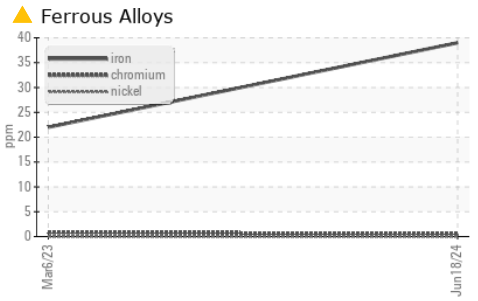
FLUID CONDITION

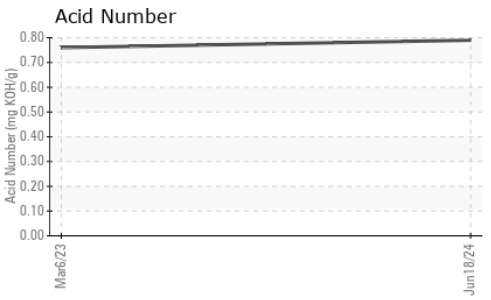
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

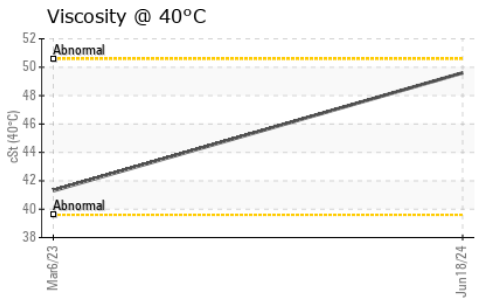
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0049333	LEC0036402	---
Sample Date		Client Info		18 Jun 2024	06 Mar 2023	---
Machine Age	hrs	Client Info		0	3971	---
Oil Age	hrs	Client Info		0	3971	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		Not Changd	Changed	---
Sample Status				ABNORMAL	ABNORMAL	---
PQ		ASTM D8184		38	11	---
Iron	ppm	ASTM D5185m	>20	▲ 39	22	---
Chromium	ppm	ASTM D5185m	>10	<1	<1	---
Nickel	ppm	ASTM D5185m	>10	0	0	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		0	<1	---
Aluminum	ppm	ASTM D5185m	>10	6	5	---
Lead	ppm	ASTM D5185m	>10	5	1	---
Copper	ppm	ASTM D5185m	>75	16	13	---
Tin	ppm	ASTM D5185m	>10	4	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>20	12	8	---
Potassium	ppm	ASTM D5185m	>20	2	2	---
Water		WC Method	>0.1	NEG	NEG	---
Particles >4µm		ASTM D7647	>5000	▲ 174372	▲ 29443	---
Particles >6µm		ASTM D7647	>1300	▲ 68238	● 2180	---
Particles >14µm		ASTM D7647	>160	▲ 2299	115	---
Particles >21µm		ASTM D7647	>40	▲ 415	15	---
Particles >38µm		ASTM D7647	>10	8	1	---
Particles >71µm		ASTM D7647	>3	0	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 25/23/18	▲ 22/18/14	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	---
Sodium	ppm	ASTM D5185m		2	0	---
Boron	ppm	ASTM D5185m		0	0	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		0	<1	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		6	4	---
Calcium	ppm	ASTM D5185m		1326	446	---
Phosphorus	ppm	ASTM D5185m		779	640	---
Zinc	ppm	ASTM D5185m		904	805	---
Sulfur	ppm	ASTM D5185m		2710	2028	---
Acid Number (AN)	mg KOH/g	ASTM D8045		0.79	0.76	---
Visc @ 40°C	cSt	ASTM D445		49.6	41.3	---

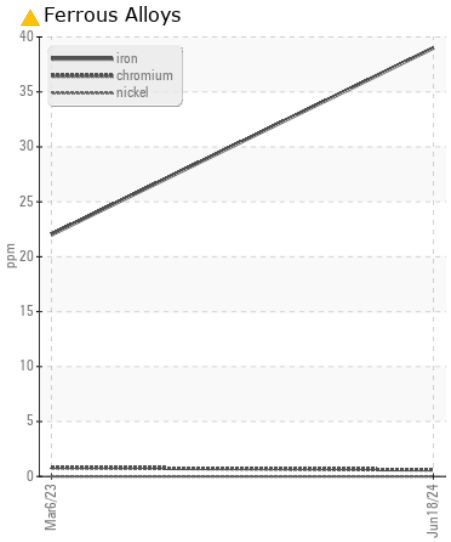


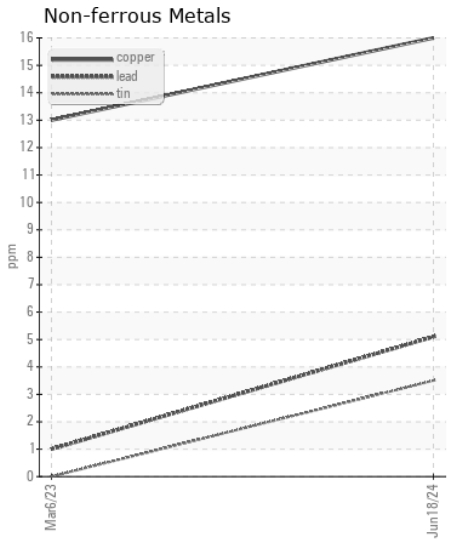


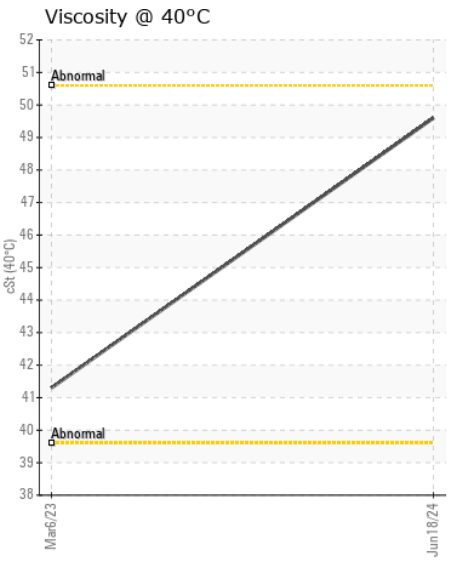


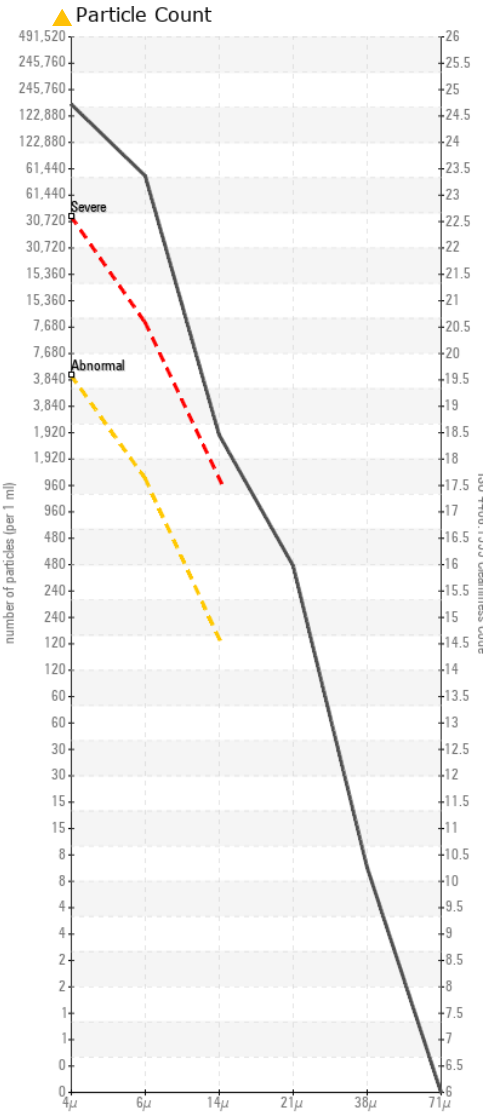


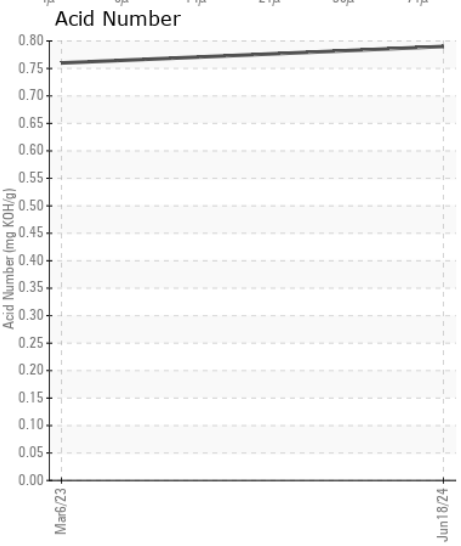












Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0049333 **Received** : 03 Jul 2024
Lab Number : 06227316 **Tested** : 06 Jul 2024
Unique Number : 11110809 **Diagnosed** : 06 Jul 2024 - Don Baldridge
Test Package : CONST (Additional Tests: PQ)

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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