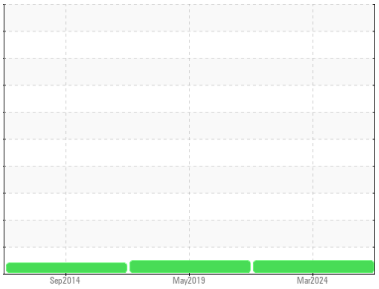
McCLUNG LOGAN EQUIPMENT COMPANY

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL

Machine Id
VOLVO A30D 74469
Component
Front Axle
Fluid
VOLVO PREMIUM GEAR OIL 85W-140 GL-5 (--- GAL)

DIAGNOSIS

Recommendation
Resample at the next service interval to monitor. (Customer Sample Comment: Changed to GO102 75w-80)

Wear
All component wear rates are normal.

Contamination
There is no indication of any contamination in the oil.

Fluid Condition
The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**ML0000938**	VCP248518	VCP167427
Sample Date		Client Info		**27 Mar 2024**	01 May 2019	29 Sep 2014
Machine Age	hrs	Client Info		**7611**	6008	4242
Oil Age	hrs	Client Info		**1603**	0	4000
Oil Changed		Client Info		**Changed**	Changed	Changed
Sample Status				**NORMAL**	NORMAL	ATTENTION

CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.2	**NEG**	NEG	NEG

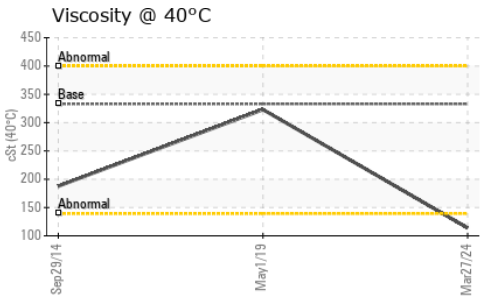
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>900	**56**	204	356
Chromium	ppm	ASTM D5185m	>20	**1**	5	7
Nickel	ppm	ASTM D5185m	>10	**<1**	2	5
Titanium	ppm	ASTM D5185m		**<1**	<1	<1
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>30	**2**	<1	<1
Lead	ppm	ASTM D5185m	>50	**<1**	2	<1
Copper	ppm	ASTM D5185m	>150	**4**	7	29
Tin	ppm	ASTM D5185m	>20	**<1**	0	1
Antimony	ppm	ASTM D5185m	>5	**---**	0	0
Vanadium	ppm	ASTM D5185m		**0**	0	0
Cadmium	ppm	ASTM D5185m		**0**	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	111	**57**	121	1
Barium	ppm	ASTM D5185m	0.0	**0**	<1	0
Molybdenum	ppm	ASTM D5185m	0.9	**2**	0	0
Manganese	ppm	ASTM D5185m	0.0	**2**	6	12
Magnesium	ppm	ASTM D5185m	39	**23**	<1	0
Calcium	ppm	ASTM D5185m	93	**60**	26	20
Phosphorus	ppm	ASTM D5185m	920	**788**	796	913
Zinc	ppm	ASTM D5185m	104	**40**	18	12
Sulfur	ppm	ASTM D5185m	20179	**23330**	20249	36212

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	**3**	7	2
Sodium	ppm	ASTM D5185m		**<1**	6	<1
Potassium	ppm	ASTM D5185m	>20	**1**	18	2

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
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
Free Water	scalar	*Visual		**NEG**	NEG	NEG

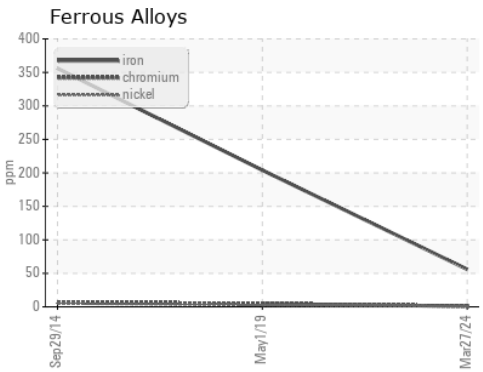
OIL ANALYSIS REPORT

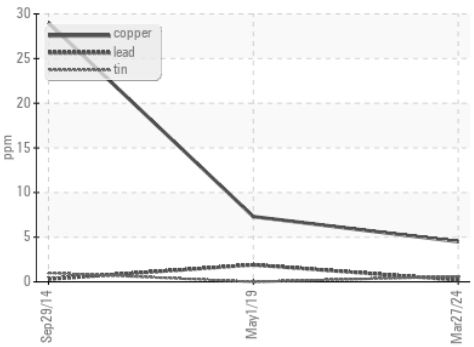


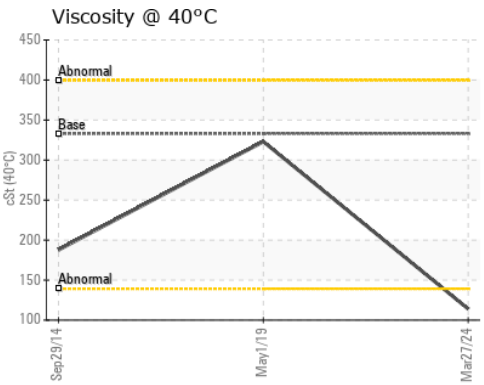
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	333	**114**	323	187.7

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			*no image*	*no image*	*no image*
Bottom			*no image*	*no image*	*no image*

GRAPHS







Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ML0000938
Lab Number : 06134226
Unique Number : 10953691
Test Package : CONST

Received : 29 Mar 2024
Tested : 01 Apr 2024
Diagnosed : 03 Apr 2024 - Sean Felton

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)

MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND
1345 MOUNTAIN ROAD
GLEN ALLEN, VA
US 23060
Contact: KYLE RATLIFFE
KRATLIFFE@MCCLUNG-LOGAN.COM
T:
F: (804)266-1611