



McCLUNG-LOGAN
EQUIPMENT COMPANY, INC.

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[NICHOLS EXC]
Machine Id
VOLVO A35G 340049
Component
Drop Box
Fluid
PETRO CANADA TRAXON 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ML0002165	VCP245658	VCP253400
Sample Date		Client Info		11 Jun 2024	30 Aug 2022	22 Oct 2019
Machine Age	hrs	Client Info		9382	0	5904
Oil Age	hrs	Client Info		1031	0	4000
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Chngd	Not Chngd	Changed
Filter Changed		Client Info		Not Chngd	Not Chngd	N/A
Sample Status				NORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	104	▲ 838	242
Chromium	ppm	ASTM D5185m	>20	1	10	2
Nickel	ppm	ASTM D5185m	>10	<1	2	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>30	3	▲ 36	14
Lead	ppm	ASTM D5185m	>30	0	0	1
Copper	ppm	ASTM D5185m	>30	<1	3	2
Tin	ppm	ASTM D5185m	>20	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	MODER	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

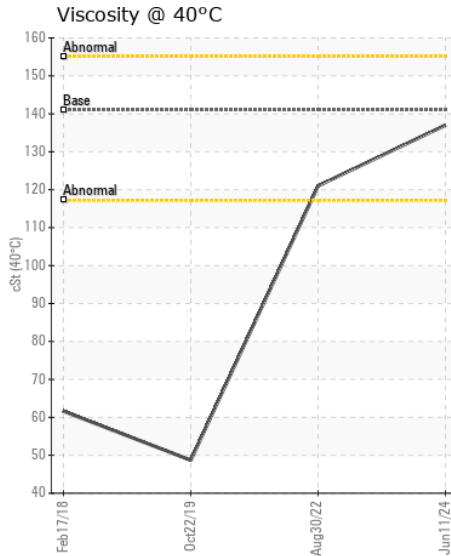
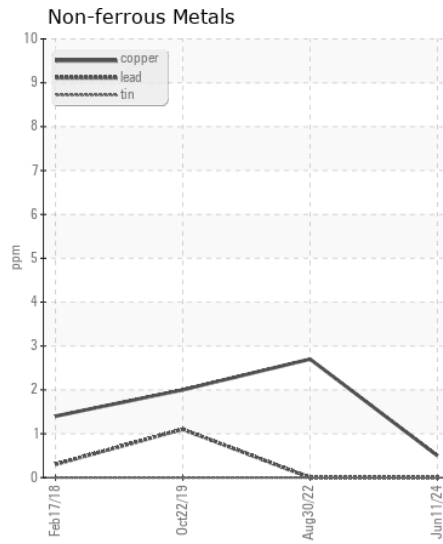
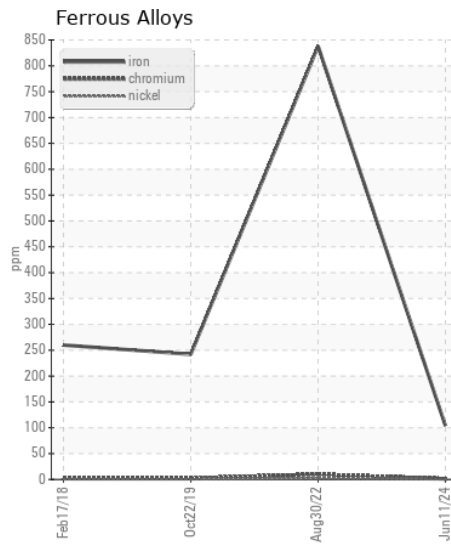
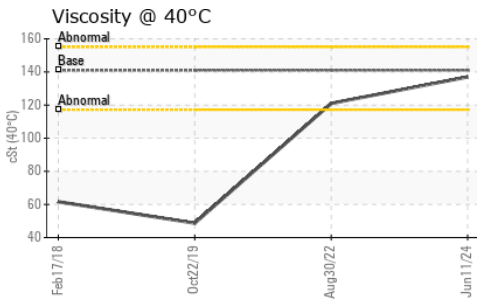
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	5	30	21
Potassium	ppm	ASTM D5185m	>20	1	1	1
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

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	<1	1
Boron	ppm	ASTM D5185m	243	225	106	140
Barium	ppm	ASTM D5185m	1	0	0	0
Molybdenum	ppm	ASTM D5185m		0	3	0
Manganese	ppm	ASTM D5185m		1	10	5
Magnesium	ppm	ASTM D5185m	2	3	3	4
Calcium	ppm	ASTM D5185m	6	0	34	25
Phosphorus	ppm	ASTM D5185m	987	1031	1166	2172
Zinc	ppm	ASTM D5185m	1	30	187	59
Sulfur	ppm	ASTM D5185m	21530	18340	25056	12737
Visc @ 40°C	cSt	ASTM D445	141.0	137	121	48.7



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ML0002165
Lab Number : 06216119
Unique Number : 11088983
Test Package : CONST

Received : 20 Jun 2024
Tested : 21 Jun 2024
Diagnosed : 23 Jun 2024 - Don Baldrige

NICHOLS EXCAVATION INC
 324 MARKUS CT
 NEWARK, DE
 US 19713
 Contact: JEFF MOORE
 jeffm@nicholsexcavation.com
 T: (302)275-8818
 F:

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)