



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
[SPM716807]
 Machine Id
VOLVO EC160E 314043
 Component
Left Final Drive
 Fluid
GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP446762	VCP415162	VCP422721
Sample Date		Client Info		24 May 2024	28 Aug 2023	26 Apr 2023
Machine Age	hrs	Client Info		6909	5634	5136
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				ABNORMAL	NORMAL	ABNORMAL

WEAR

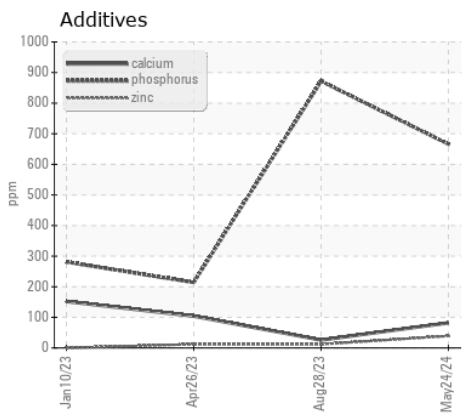
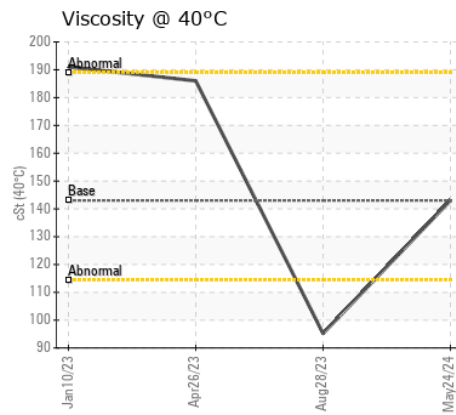
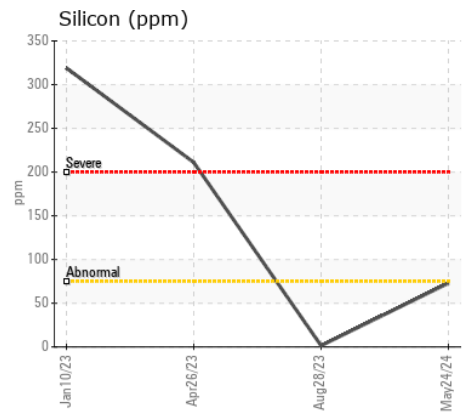
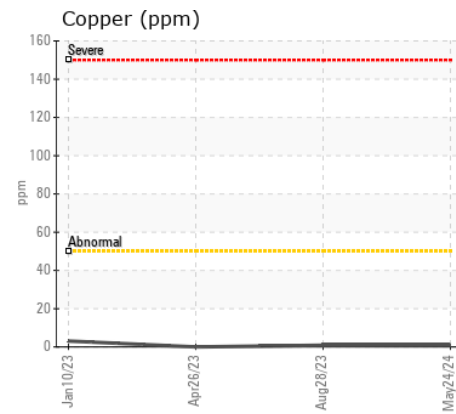
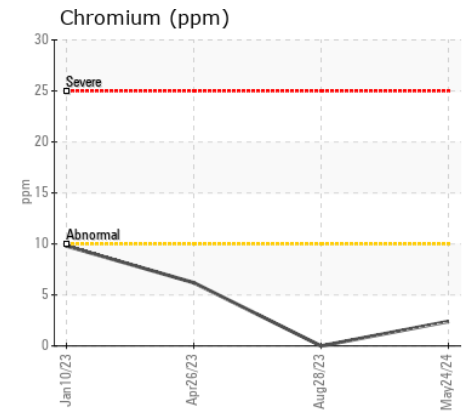
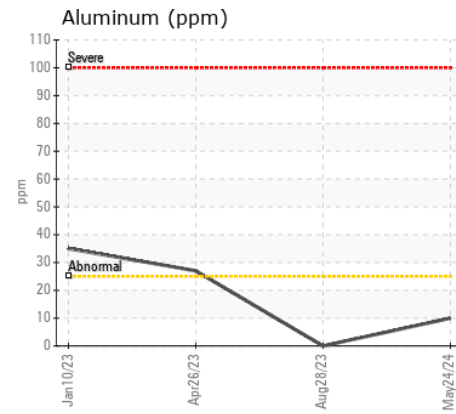
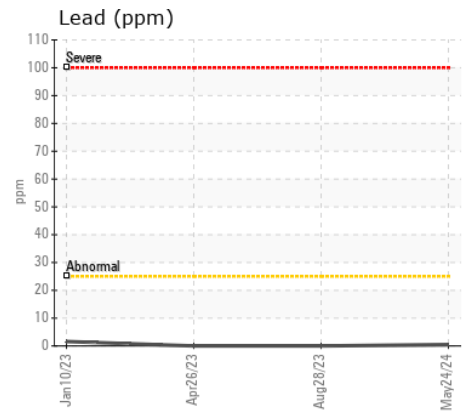
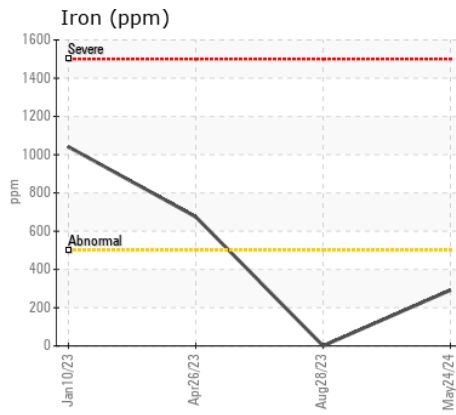
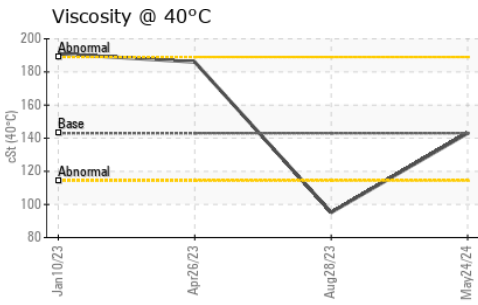
Iron	ppm	ASTM D5185m	>500	292	<1	▲ 675
Chromium	ppm	ASTM D5185m	>10	2	0	6
Nickel	ppm	ASTM D5185m	>10	1	0	2
Titanium	ppm	ASTM D5185m		1	0	1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	10	0	● 27
Lead	ppm	ASTM D5185m	>25	<1	0	0
Copper	ppm	ASTM D5185m	>50	1	<1	0
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

Silicon	ppm	ASTM D5185m	>75	73	2	▲ 211
Potassium	ppm	ASTM D5185m	>20	6	<1	14
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	▲ MODER	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

Sodium	ppm	ASTM D5185m	>170	5	0	7
Boron	ppm	ASTM D5185m	400	51	164	0
Barium	ppm	ASTM D5185m	200	<1	2	0
Molybdenum	ppm	ASTM D5185m	12	<1	0	<1
Manganese	ppm	ASTM D5185m		3	0	7
Magnesium	ppm	ASTM D5185m	12	26	1	42
Calcium	ppm	ASTM D5185m	150	82	26	104
Phosphorus	ppm	ASTM D5185m	1650	666	872	214
Zinc	ppm	ASTM D5185m	125	39	12	12
Sulfur	ppm	ASTM D5185m	22500	19292	22636	15554
Visc @ 40°C	cSt	ASTM D445	143	143	95.2	186



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP446762
Lab Number : 06212183
Unique Number : 11085047
Test Package : MOB 1
Received : 17 Jun 2024
Tested : 19 Jun 2024
Diagnosed : 19 Jun 2024 - Don Baldrige

CALUMET CITY AUTO WRECKERS
 630 E STATE ST
 CALUMET CITY, IL
 US 60409
 Contact: GARY

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)

T: (815)600-9027

F: