



CONSTRUCTION EQUIPMENT

323717 GROVE GRT8100 235974 - HYDRAULIC SYSTEM



Sample No: VCP298084
Oil Type: TDH FLUID SAE 75W80
Job No: 323717



SAMPLE INFORMATION

Sample Number	VCP298084	VCP275392	VCP272842	VCP273145
Sample Date	07 Jun 2022	11 May 2021	08 Jan 2021	24 Nov 2020
Machine Hours	5646	4240	0	3728
Oil Hours	0	0	3894	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ATTENTION	ABNORMAL	NORMAL	SEVERE

STRONGCO EQUIPMENT--CALGARY
 7923 54TH STREET SE
 CALGARY, AB
 CA T2C 4R7
 Contact: Tracey Lewin
 tlewin@strongco.com
 T: (403)216-1010
 F: (403)216-1016

OIL CONDITION

Visc @ 40°C	cSt	53.7	54.4	54.4	54.6
-------------	-----	-------------	------	------	------

CONTAMINATION

Particles >4µm	6460	17574	2036	77812
Particles >6µm	667	2588	87	26367
Particles >14µm	31	124	8	1509
ISO 4406:1999 (c)	20/17/12	21/19/14	18/14/10	23/22/18
Silicon ppm	13	19	15	28
Sodium ppm	2	2	2	2
Potassium ppm	1	<1	1	<1

Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The condition of the oil is acceptable for the time in service.

WEAR METALS

Iron ppm	1	2	1	2
Copper ppm	<1	<1	<1	<1
Lead ppm	0	<1	<1	<1
Tin ppm	0	0	0	0
Aluminum ppm	<1	<1	<1	<1
Chromium ppm	<1	<1	<1	<1
Molybdenum ppm	<1	<1	<1	<1
Nickel ppm	0	<1	0	<1
Titanium ppm	<1	<1	<1	<1
Silver ppm	<1	<1	<1	<1
Manganese ppm	<1	<1	<1	<1
Vanadium ppm	0	<1	<1	<1

ADDITIVES

Calcium ppm	3337	3319	3312	3348
Magnesium ppm	15	14	15	15
Zinc ppm	1362	1365	1384	1392
Phosphorus ppm	1137	1071	1084	1088
Barium ppm	0	<1	<1	<1
Boron ppm	93	92	99	98

Depot: VOLVO3909
Unique No: 5412662
Signed: Wes Davis
Report Date: 20 Jun 2022

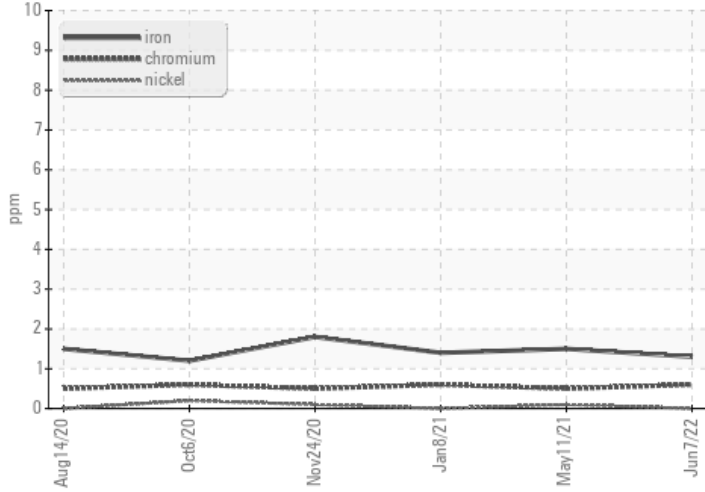


CONSTRUCTION EQUIPMENT

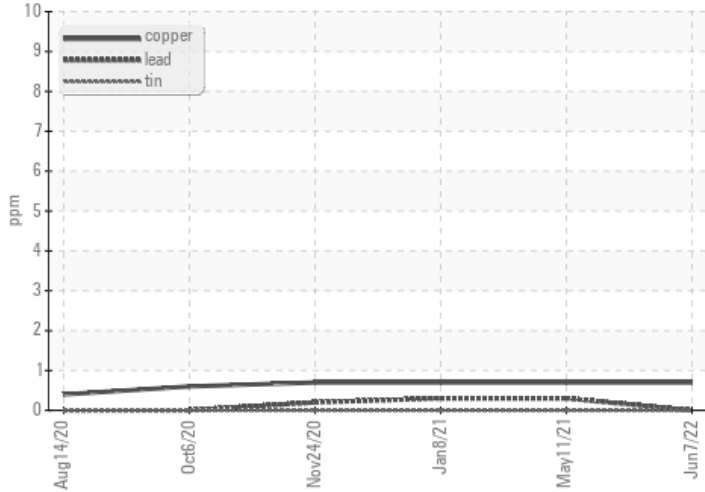


VOLVO GRAPHS

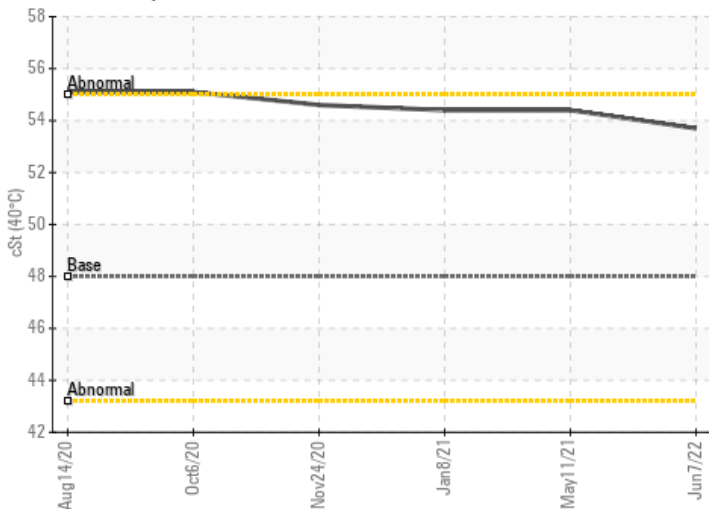
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



▲ Particle Count

