



CONSTRUCTION EQUIPMENT

A13026 VOLVO A30D 12130 - HYDRAULIC SYSTEM



Sample No: VCP434211
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No: A13026



SAMPLE INFORMATION

Sample Number	VCP434211	VCP393411	VCP334651	VCP207586
Sample Date	11 Jul 2024	16 Jun 2023	18 Oct 2021	18 Aug 2017
Machine Hours	11045	10365	9890	8775
Oil Hours	500	500	2000	1000
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ATTENTION	NORMAL	NORMAL	NORMAL

DYER QUARRY
P.O. BOX 188, 1275 ROCK HOLLOW ROAD
BIRDSBORO, PA
US 19508
Contact: MATT MCCLELLAND
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T:
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OIL CONDITION

Visc @ 40°C	cSt	42.3	41.0	40.9	40.78
Acid Number (AN)	mg KOH/g	0.74	0.70	0.568	0.515

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles 5-15µm	count	---	---	---	50109
Particles 15-25µm	count	---	---	---	1020
Particles 25-50µm	count	---	---	---	131
Particles 50-100µm	count	---	---	---	43
Particles > 100µm	count	---	---	---	1040
NAS Code		---	---	---	>12
Particles >4µm		13173	6642	7855	3894
Particles >6µm		4214	1262	771	599
Particles >14µm		174	90	21	54
ISO 4406:1999 (c)		21/19/15	20/17/14	20/17/12	19/16/13
Silicon	ppm	9	7	6	8
Sodium	ppm	<1	2	<1	1
Potassium	ppm	1	<1	0	9

Diagnosis
We recommend you service the filters on this component. 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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

WEAR METALS

Iron	ppm	7	4	5	3
Copper	ppm	6	4	5	5
Lead	ppm	<1	0	<1	<1
Tin	ppm	<1	0	<1	0
Aluminum	ppm	2	<1	2	2
Chromium	ppm	3	2	3	1
Molybdenum	ppm	1	<1	<1	0
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	525	475	154	154
Magnesium	ppm	19	21	9	12
Zinc	ppm	778	734	674	575
Phosphorus	ppm	609	554	509	463
Barium	ppm	0	0	0	0
Boron	ppm	4	<1	4	<1

Depot: DYEBIR
Unique No: 11124683
Signed: Wes Davis
Report Date: 16 Jul 2024

Contact/Location: MATT MCCLELLAND - DYEBIR

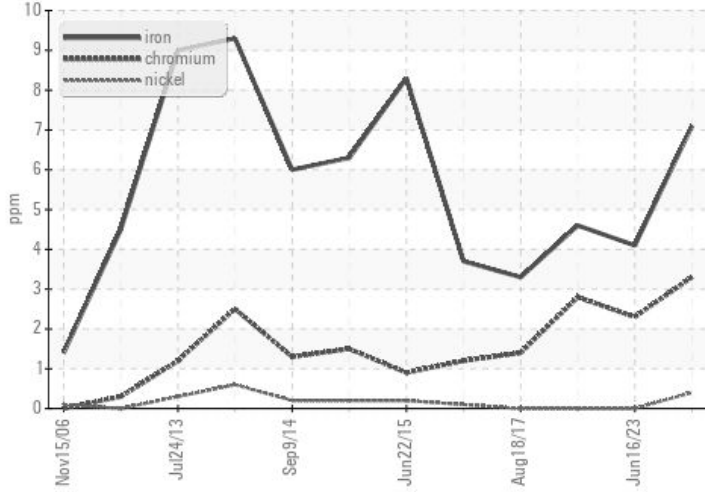


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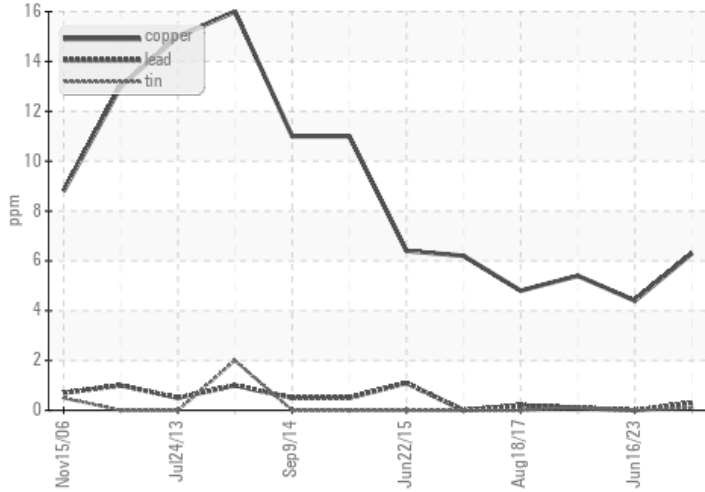


GRAPHS

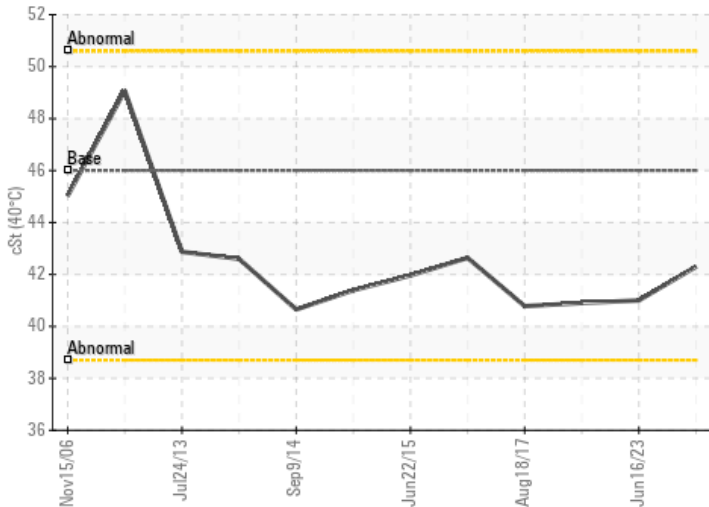
Ferrous Alloys



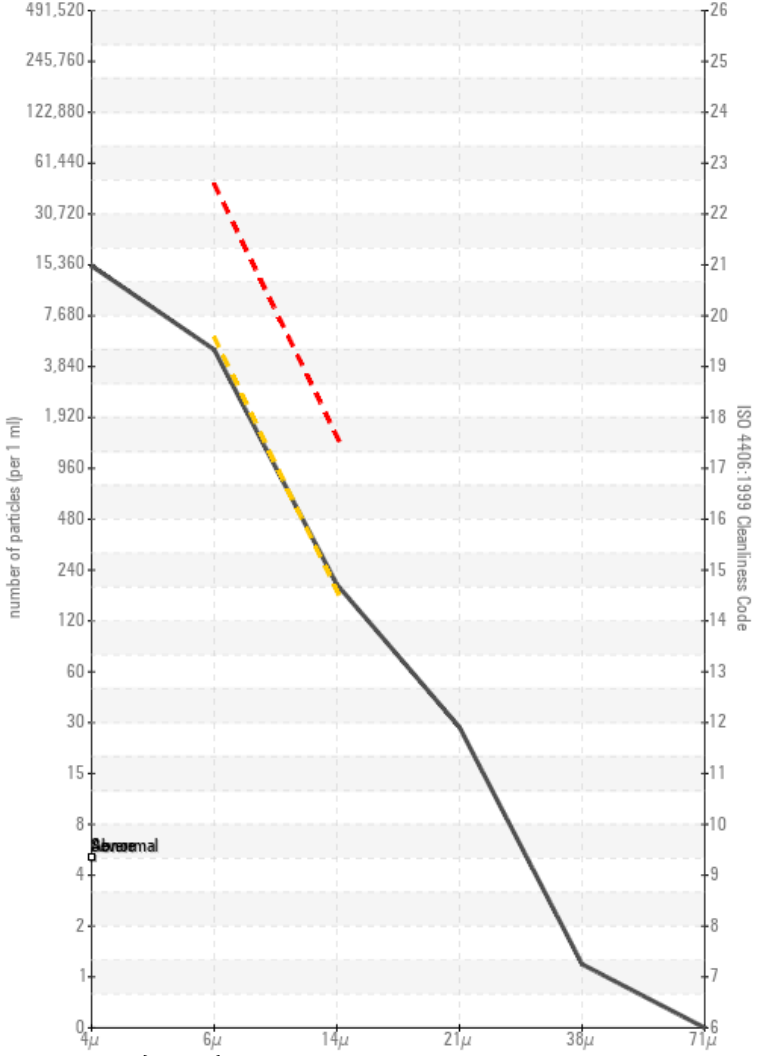
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

