



CONSTRUCTION EQUIPMENT

UPAP-PHOENIX SW1027118 330144 VOLVO L90G 617701 - HYDRAULIC SYSTEM



Sample No: VCE196007
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SW1027118



SAMPLE INFORMATION

Sample Number	VCE196007	DJJ0005944	DJJ0005928	DJJ024649
Sample Date	21 Dec 2023	10 May 2023	21 Jun 2022	10 Dec 2021
Machine Hours	11267	10493	9277	8767
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Not Changd	Not Changd
Sample Status	SEVERE	ABNORMAL	ABNORMAL	ATTENTION

U-PULL-AND-PAY LLC - PHOENIX
2501 WEST BUCKEYE RD
PHOENIX, AZ
US 85009
Contact: CASEY MILLER
casey.miller@upullandpay.com
T:
F: (602)233-3971

OIL CONDITION

Visc @ 40°C	cSt	43.0	41.6	42.5	42.7
Acid Number (AN)	mg KOH/g	0.54	0.32	0.35	0.286

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		79029	27591	41035	6965
Particles >6µm		19915	7552	14336	1686
Particles >14µm		811	463	1620	100
ISO 4406:1999 (c)		23/21/17	22/20/16	23/21/18	20/18/14
Silicon	ppm	7	5	5	3
Sodium	ppm	5	0	<1	1
Potassium	ppm	2	0	<1	0

Diagnosis

We advise that you check all areas where contaminants can enter the system. The oil change at the time of sampling has been noted. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Resample in 30-45 days to monitor this situation. All component wear rates are normal. There is a high amount of particulates (2 to 100 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

WEAR METALS

Iron	ppm	6	8	7	5
Copper	ppm	1	1	1	1
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	0	1	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	0	0
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	38	75	76	94
Magnesium	ppm	0	3	6	5
Zinc	ppm	418	399	452	389
Phosphorus	ppm	326	317	330	338
Barium	ppm	0	0	2	0
Boron	ppm	0	0	<1	<1

Depot: UPAPPHO
Unique No: 10808330
Signed: Wes Davis
Report Date: 02 Jan 2024

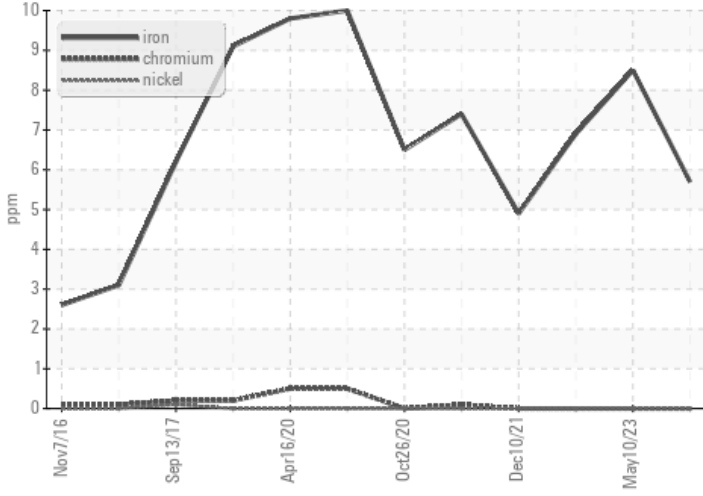


CONSTRUCTION EQUIPMENT

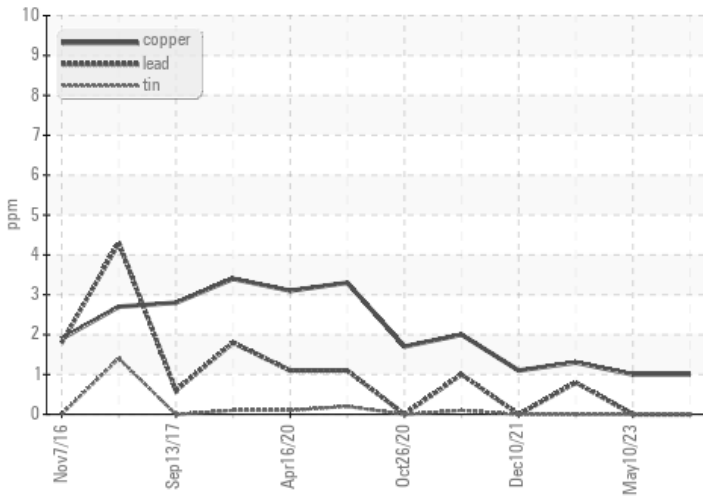


GRAPHS

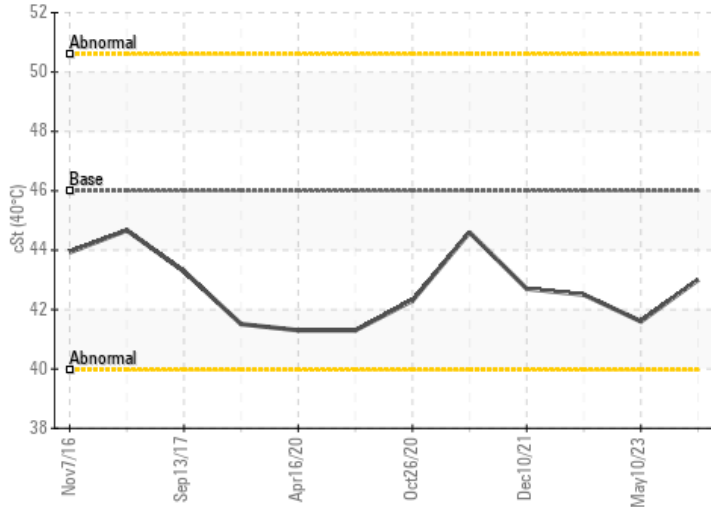
Ferrous Alloys



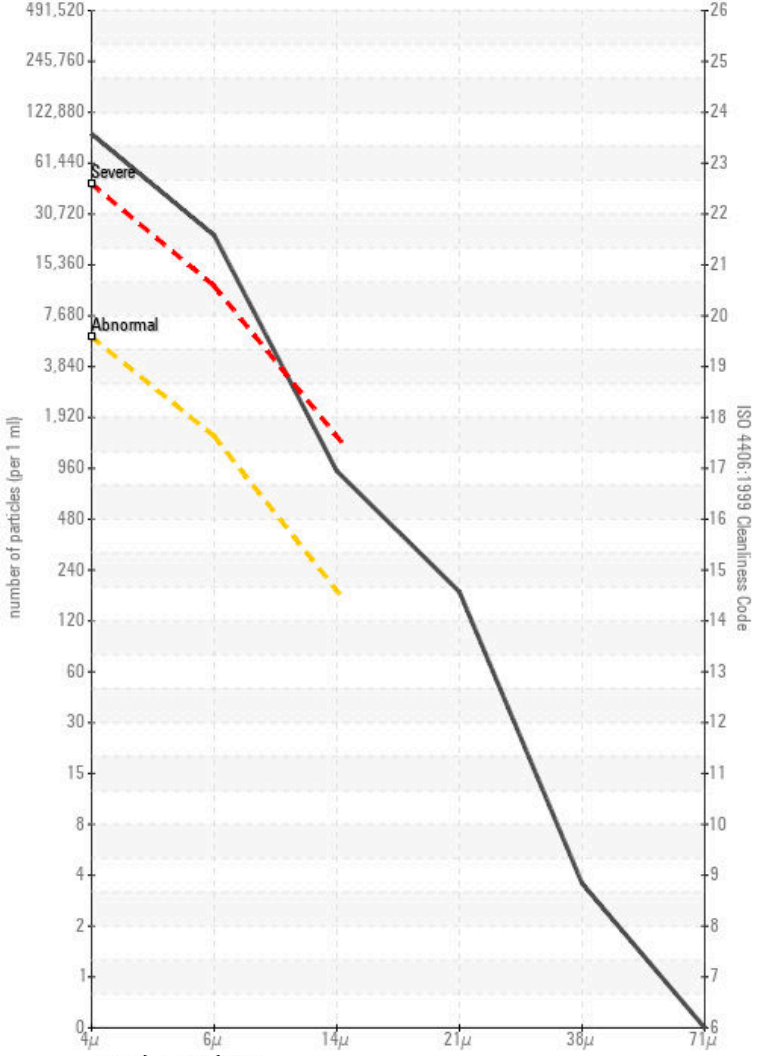
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

