



CONSTRUCTION EQUIPMENT

1184387 THOROBRED 4 JCB 506C 1184387 - HYDRAULIC SYSTEM



Sample No: VCP397620
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 1184387 THOROBRED 4



SAMPLE INFORMATION

Sample Number	VCP397620	VCP342556	---	---
Sample Date	23 Jun 2023	03 Dec 2021	---	---
Machine Hours	0	0	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

ARNOLD MACHINERY COMPANY
 4323 EAST WINSLOW AVENUE
 PHOENIX, AZ
 US 85040
 Contact: RANDY PRZEKURAT
 randyp@arnoldmachinery.com
 T:
 F: (602)414-1904



OIL CONDITION

Visc @ 40°C	cSt	41.5	41.7	---	---
Acid Number (AN)	mg KOH/g	0.31	0.242	---	---



CONTAMINATION

Particles >4µm		22711	19992	---	---
Particles >6µm		3510	1157	---	---
Particles >14µm		282	84	---	---
ISO 4406:1999 (c)		22/19/15	21/17/14	---	---
Silicon	ppm	9	8	---	---
Sodium	ppm	1	2	---	---
Potassium	ppm	0	0	---	---

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 high amount of particulates 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	<1	2	---	---
Copper	ppm	3	3	---	---
Lead	ppm	0	1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	<1	1	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	61	57	---	---
Magnesium	ppm	15	<1	---	---
Zinc	ppm	399	387	---	---
Phosphorus	ppm	323	342	---	---
Barium	ppm	14	0	---	---
Boron	ppm	0	3	---	---

Depot: VOLVO6174
Unique No: 10538291
Signed: Don Baldrige
Report Date: 04 Jul 2023

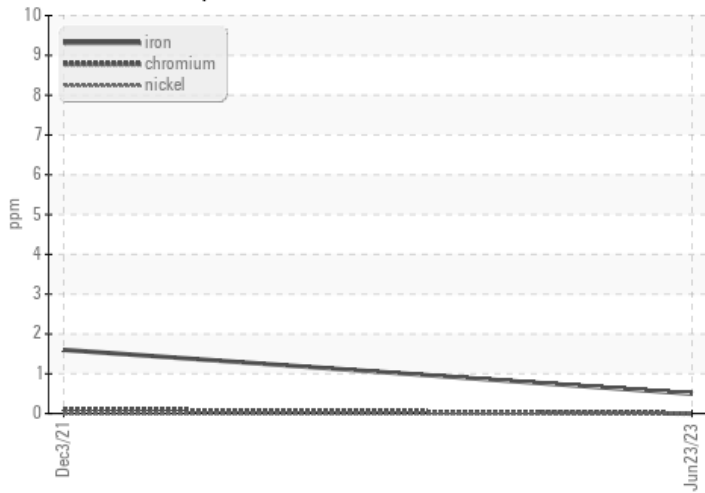


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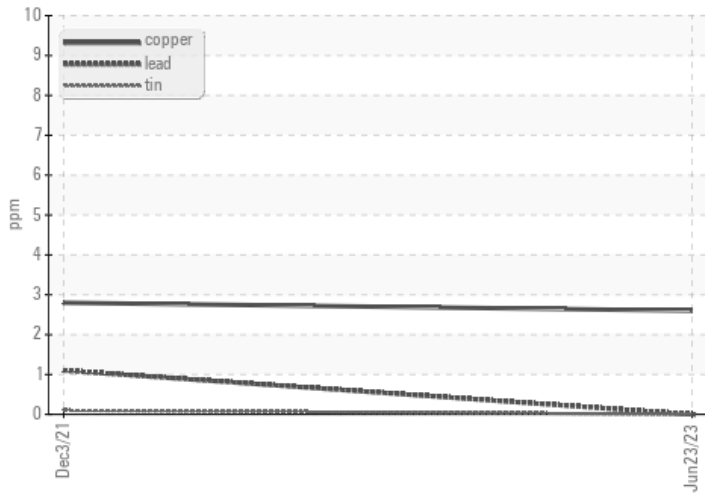


GRAPHS

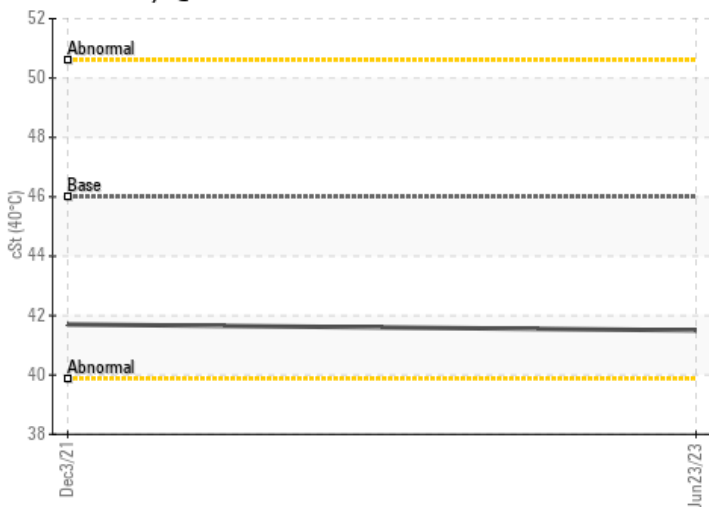
Ferrous Alloys



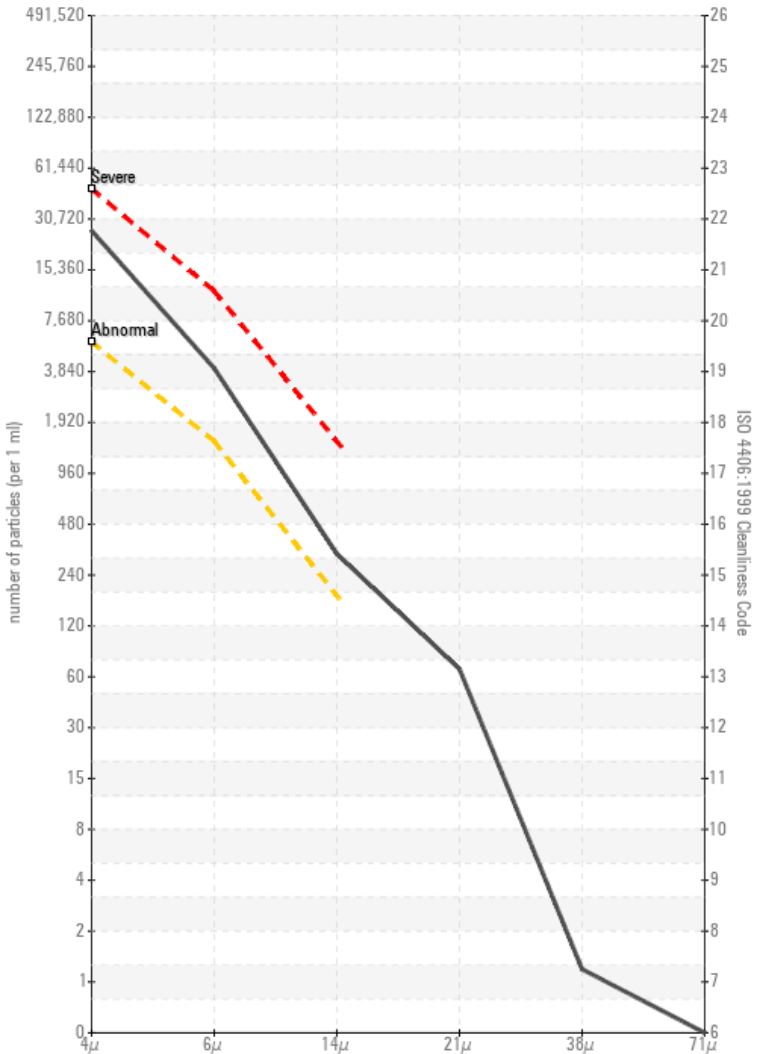
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

