CONSTRUCTION EQUIPMENT

7228 IMERYS REFRAC VOLVO A30G 742629 - HYDRAULIC SYSTEM

Sample No: VCP449006
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 7228 IMERYS REFRAC

364 - ASCENDUM MACHINERY INC - MACON
4807 HARRISON RD
MACON, GA
US 31206
Contact: HALIE BAKER
halie.baker@ascendummachinery.com
T:
F: (478)200-5859

SAMPLE INFORMATION

Sample Number		**VCP449006**	---	---	---
Sample Date		**02 Jan 2024**	---	---	---
Machine Hours		**3979**	---	---	---
Oil Hours		**0**	---	---	---
Oil Changed		**Changed**	---	---	---
Sample Status		**NORMAL**	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	**44.8**	---	---	---
Acid Number (AN)	mg KOH/g	**0.35**	---	---	---

CONTAMINATION

Water	%	**NEG**	---	---	---
Particles >4µm		**11136**	---	---	---
Particles >6µm		**888**	---	---	---
Particles >14µm		**30**	---	---	---
ISO 4406:1999 (c)		**21/17/12**	---	---	---
Silicon	ppm	**7**	---	---	---
Sodium	ppm	**0**	---	---	---
Potassium	ppm	**1**	---	---	---

WEAR METALS

Iron	ppm	**11**	---	---	---
Copper	ppm	**8**	---	---	---
Lead	ppm	**4**	---	---	---
Tin	ppm	**<1**	---	---	---
Aluminum	ppm	**4**	---	---	---
Chromium	ppm	**3**	---	---	---
Molybdenum	ppm	**<1**	---	---	---
Nickel	ppm	**<1**	---	---	---
Titanium	ppm	**<1**	---	---	---
Silver	ppm	**0**	---	---	---
Manganese	ppm	**<1**	---	---	---
Vanadium	ppm	**0**	---	---	---

ADDITIVES

Calcium	ppm	**63**	---	---	---
Magnesium	ppm	**3**	---	---	---
Zinc	ppm	**426**	---	---	---
Phosphorus	ppm	**359**	---	---	---
Barium	ppm	**0**	---	---	---
Boron	ppm	**0**	---	---	---

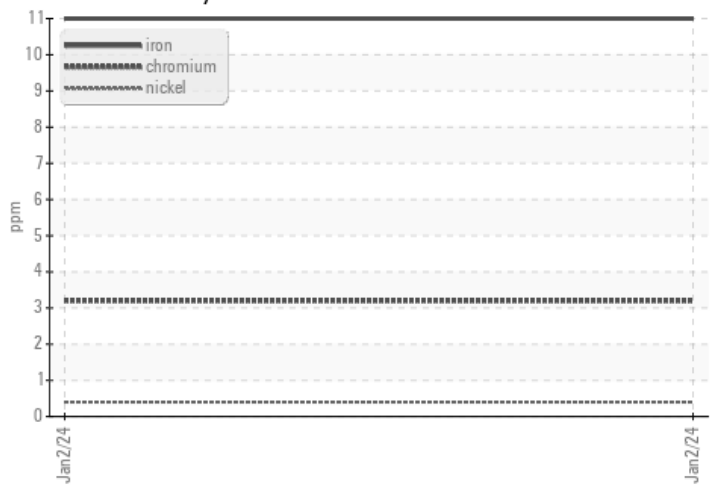
Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

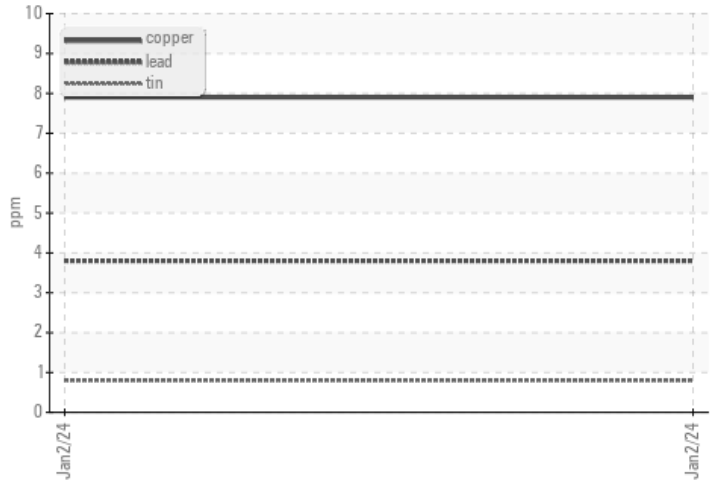
Depot: ASCMAC
Unique No: 10844285
Signed: Wes Davis
Report Date: 23 Jan 2024

GRAPHS

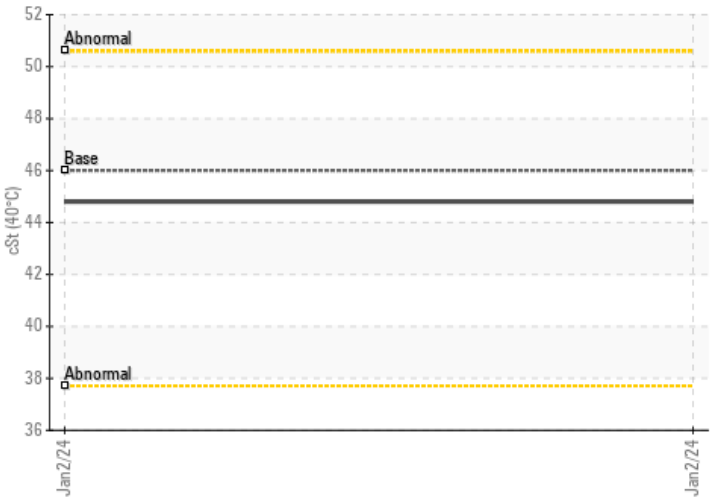
Ferrous Alloys



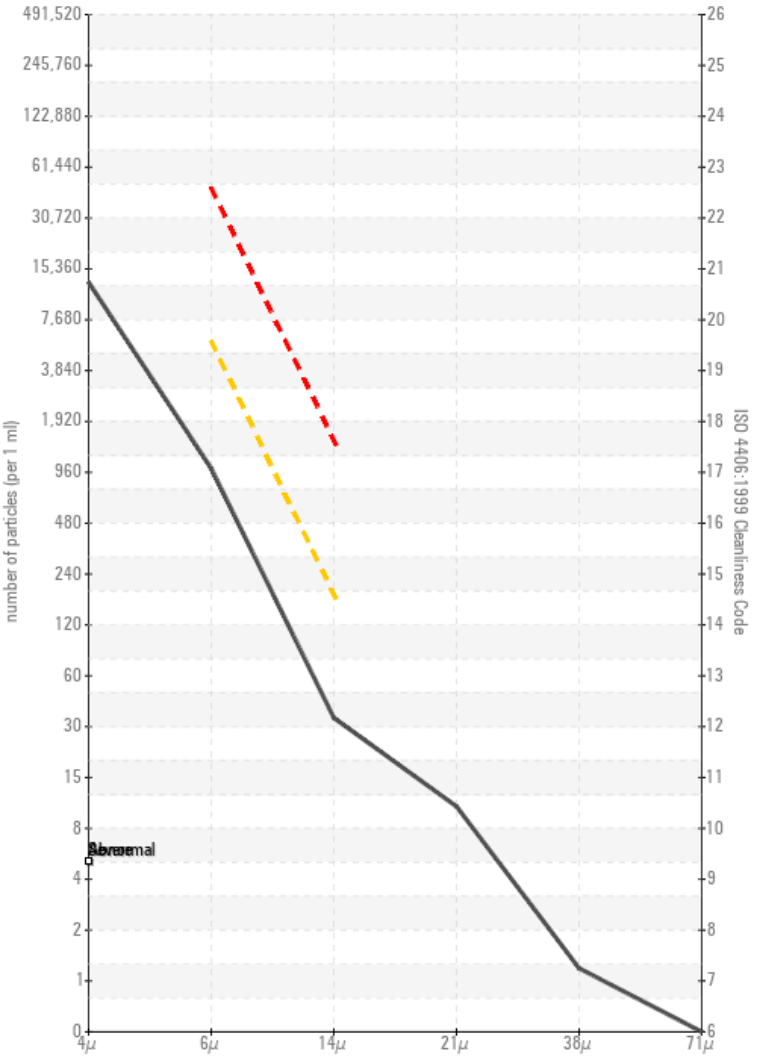
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number