

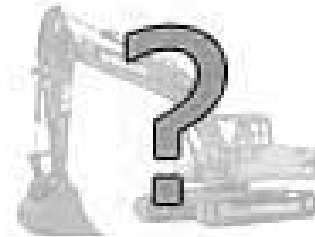


CONSTRUCTION EQUIPMENT

9328 TOLSON ALJON 30131 - HYDRAULIC SYSTEM



Sample No: VCP422892
Oil Type: AW HYDRAULIC OIL ISO 32
Job No: 9328 TOLSON



SAMPLE INFORMATION

Sample Number	VCP422892	VCP407891	VCP387929	VCP405217
Sample Date	24 Jul 2023	01 Jun 2023	17 Apr 2023	20 Feb 2023
Machine Hours	1665	1445	1162	861
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	27.6	26.6	26.8	27.3
Acid Number (AN)	mg KOH/g	0.43	0.44	0.38	0.42

CONTAMINATION

Particles >4µm		▲ 17675	1500	795	339
Particles >6µm		787	667	208	92
Particles >14µm		27	146	29	11
ISO 4406:1999 (c)		21/17/12	18/17/14	17/15/12	16/14/11
Silicon	ppm	1	2	2	1
Sodium	ppm	<1	0	<1	2
Potassium	ppm	<1	2	0	0

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of silt (particulates < 6 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	8	9	8	7
Copper	ppm	17	20	13	9
Lead	ppm	0	<1	0	0
Tin	ppm	1	2	<1	<1
Aluminum	ppm	0	0	0	0
Chromium	ppm	<1	0	0	0
Molybdenum	ppm	<1	0	2	1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	0	<1	0

ADDITIVES

Calcium	ppm	107	118	99	101
Magnesium	ppm	13	13	14	11
Zinc	ppm	305	379	366	336
Phosphorus	ppm	397	392	377	364
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0

Depot: PLECLA
Unique No: 10586396
Signed: Jonathan Hester
Report Date: 04 Aug 2023

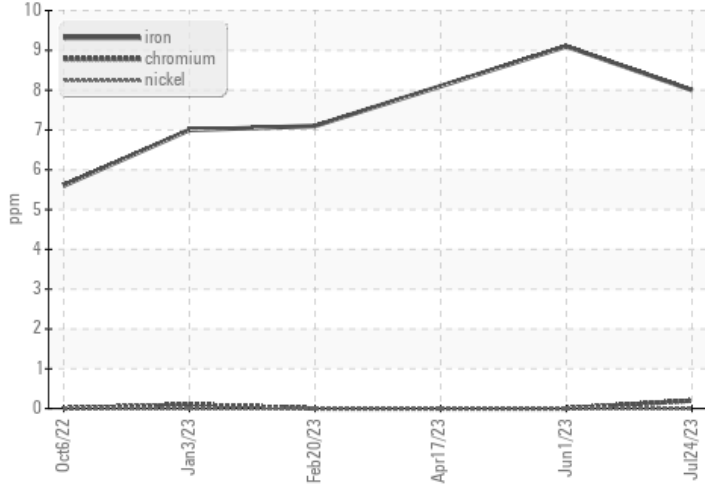


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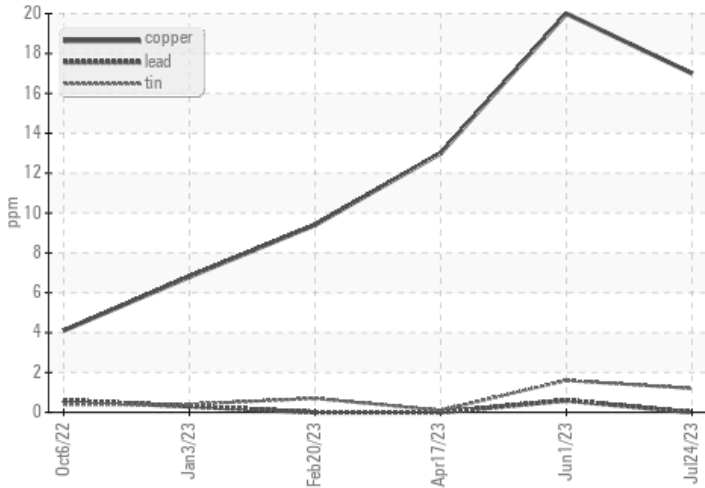


VOLVO GRAPHS

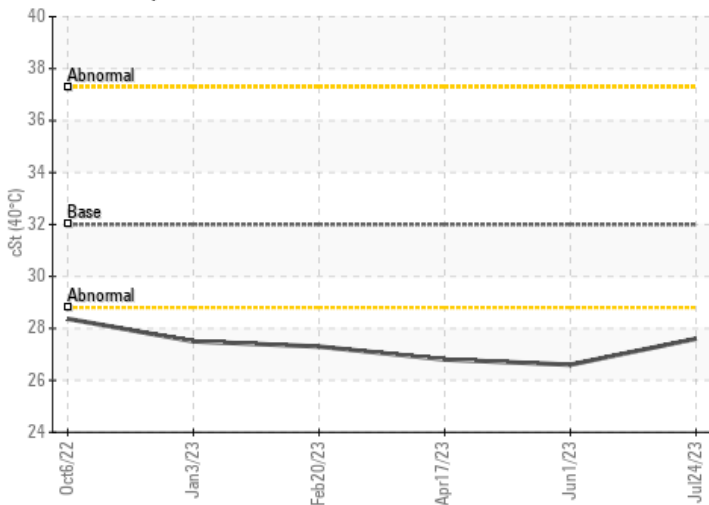
Ferrous Alloys



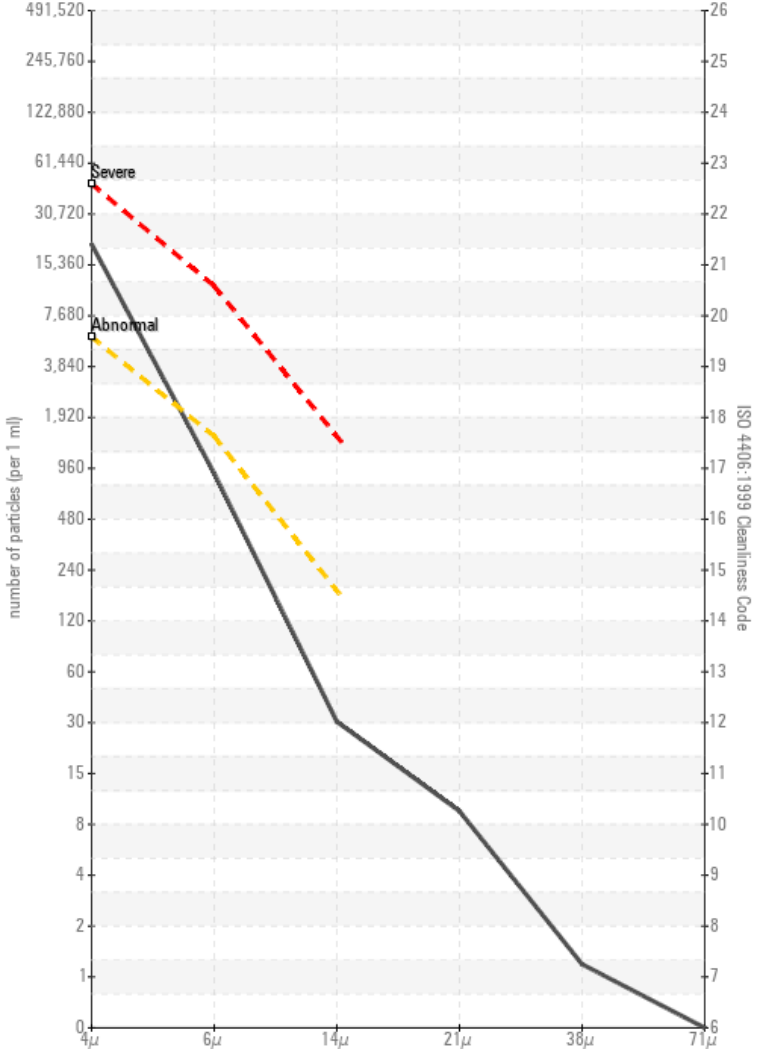
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

