



CONSTRUCTION EQUIPMENT

9635 TOLSON ALJON 30131 - HYDRAULIC SYSTEM



Sample No: VCP426082
Oil Type: MV 32
Job No: 9635 TOLSON



SAMPLE INFORMATION

Sample Number	VCP426082	VCP422892	VCP407891	VCP387929
Sample Date	20 Sep 2023	24 Jul 2023	01 Jun 2023	17 Apr 2023
Machine Hours	1938	1665	1445	1162
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	ABNORMAL	ABNORMAL	NORMAL	NORMAL

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 F:

OIL CONDITION

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

CONTAMINATION

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

Diagnosis

Oil and filter change at the time of sampling has been noted. We advise that you inspect for the source(s) of metal. Resample at the next service interval to monitor. We were unable to perform a particle count due to metal particles present in this sample. Moderate concentration of visible metal present. All component wear rates are normal. No other contaminants were detected 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	11	8	9	8
Copper	ppm	21	17	20	13
Lead	ppm	1	0	<1	0
Tin	ppm	1	1	2	<1
Aluminum	ppm	0	0	0	0
Chromium	ppm	<1	<1	0	0
Molybdenum	ppm	1	<1	0	2
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	0	<1
Vanadium	ppm	0	0	0	<1

ADDITIVES

Calcium	ppm	109	107	118	99
Magnesium	ppm	9	13	13	14
Zinc	ppm	331	305	379	366
Phosphorus	ppm	398	397	392	377
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0

Depot: PLECLA
Unique No: 10676191
Signed: Doug Bogart
Report Date: 12 Oct 2023

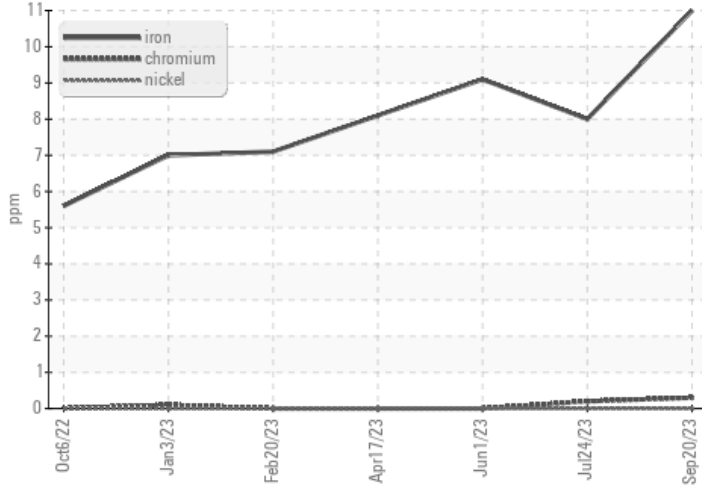


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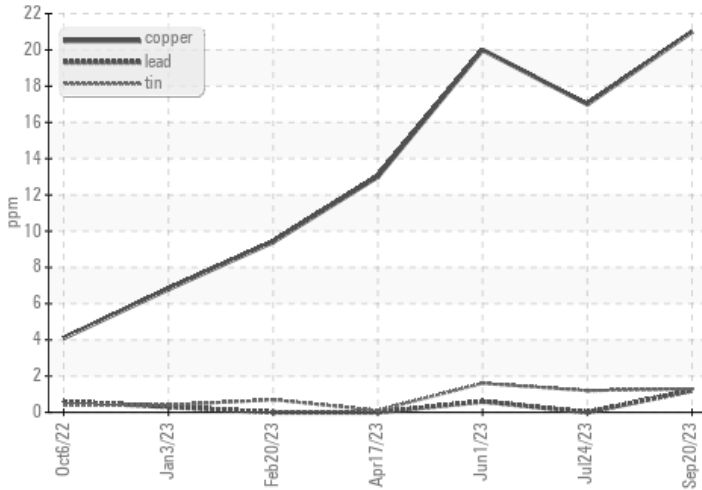


GRAPHS

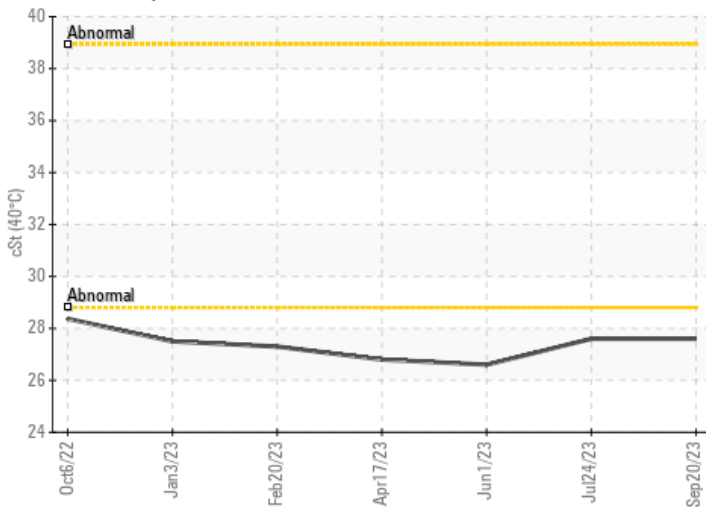
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

