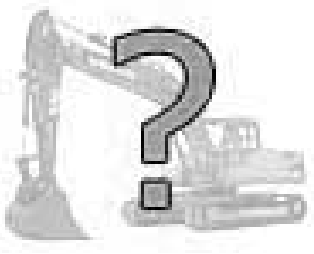
CONSTRUCTION EQUIPMENT
10165 TOLSON ALJON 30131 - HYDRAULIC SYSTEM

Sample No: VCP414785
Oil Type: AW HYDRAULIC OIL ISO 32
Job No: 10165 TOLSON



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SAMPLE INFORMATION

Sample Number		**VCP414785**	VCP426082	VCP422892	VCP407891
Sample Date		**08 Jan 2024**	20 Sep 2023	24 Jul 2023	01 Jun 2023
Machine Hours		**2490**	1938	1665	1445
Oil Hours		**0**	0	0	0
Oil Changed		**Not Changd**	Changed	Not Changd	Not Changd
Sample Status		**NORMAL**	ABNORMAL	ABNORMAL	NORMAL

OIL CONDITION

Visc @ 40°C	cSt	**29.8**	27.6	27.6	26.6
Acid Number (AN)	mg KOH/g	**0.43**	0.38	0.43	0.44

CONTAMINATION

Water	%	**NEG**	NEG	NEG	NEG
Particles >4µm		**2655**	---	17675	1500
Particles >6µm		**690**	---	787	667
Particles >14µm		**76**	---	27	146
ISO 4406:1999 (c)		**19/17/13**	---	21/17/12	18/17/14
Silicon	ppm	**<1**	2	1	2
Sodium	ppm	**0**	<1	<1	0
Potassium	ppm	**2**	<1	<1	2

WEAR METALS

Iron	ppm	**4**	11	8	9
Copper	ppm	**6**	21	17	20
Lead	ppm	**<1**	1	0	<1
Tin	ppm	**<1**	1	1	2
Aluminum	ppm	**2**	0	0	0
Chromium	ppm	**0**	<1	<1	0
Molybdenum	ppm	**<1**	1	<1	0
Nickel	ppm	**0**	0	0	0
Titanium	ppm	**<1**	0	0	0
Silver	ppm	**0**	0	0	0
Manganese	ppm	**<1**	<1	<1	0
Vanadium	ppm	**0**	0	0	0

ADDITIVES

Calcium	ppm	**121**	109	107	118
Magnesium	ppm	**5**	9	13	13
Zinc	ppm	**493**	331	305	379
Phosphorus	ppm	**449**	398	397	392
Barium	ppm	**0**	0	0	0
Boron	ppm	**0**	0	0	0

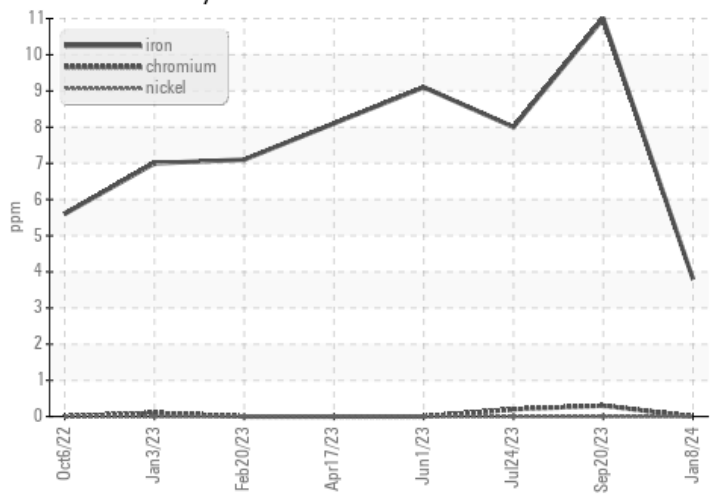
Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 32. Please confirm.
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.

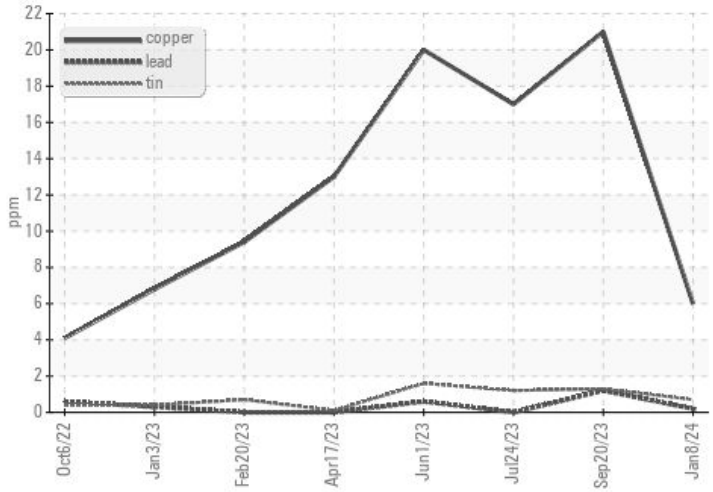
Depot: PLECLA
Unique No: 10829405
Signed: Wes Davis
Report Date: 12 Jan 2024

GRAPHS

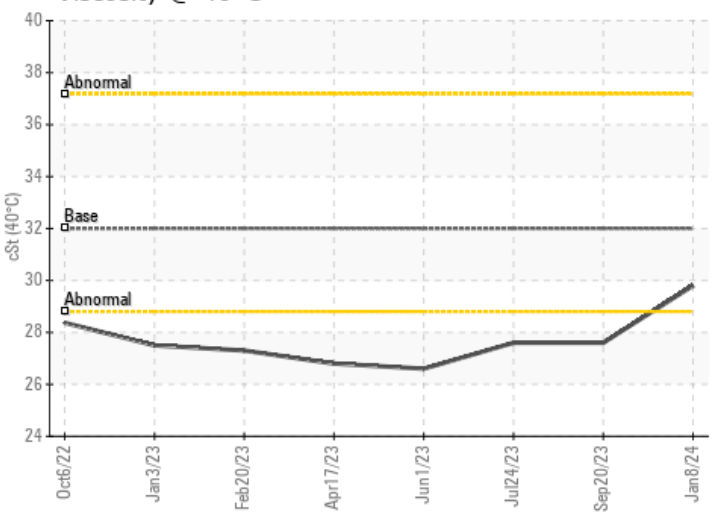
Ferrous Alloys



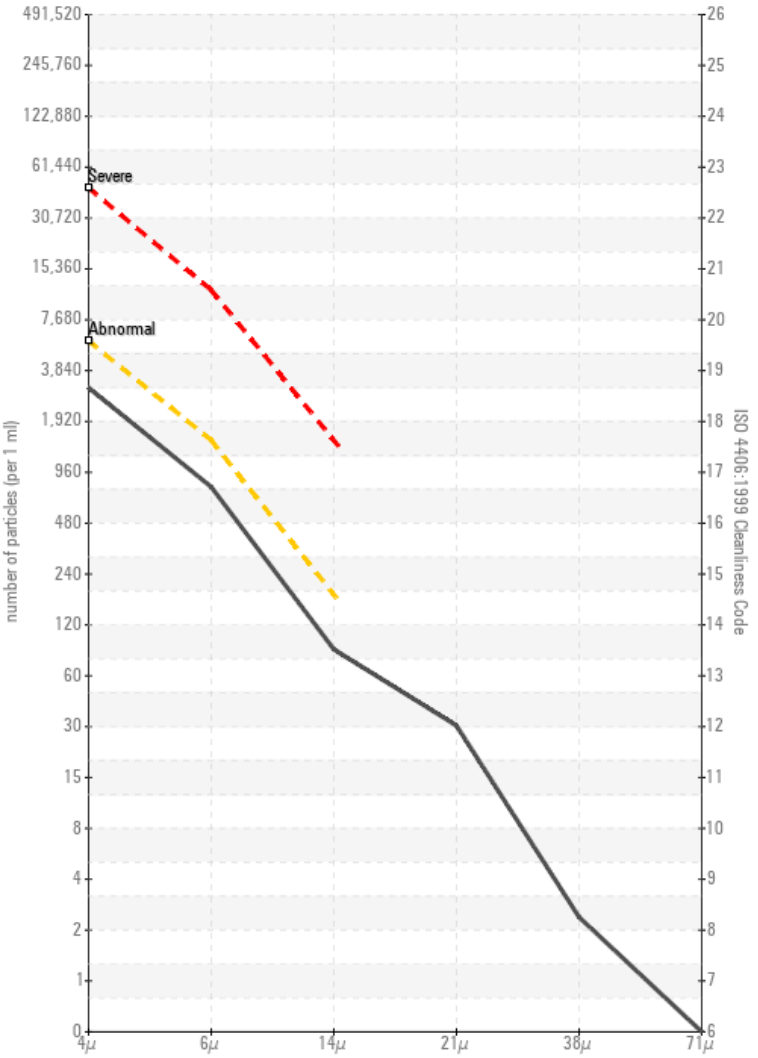
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number