



CONSTRUCTION EQUIPMENT

SWO-070729 EPIROC D60-10 TMG23SED0506 - HYDRAULIC SYSTEM



Sample No: VCP436286
Oil Type: {unknown}
Job No: SWO-070729



SAMPLE INFORMATION

Sample Number	VCP436286	VCP449243	---	---
Sample Date	01 Apr 2024	27 Dec 2023	---	---
Machine Hours	558	263	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	ATTENTION	---	---

WHITAKER CONTRACTING

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 GUNTERVILLE, AL
 US 35976
 Contact: BROTHER WHITAKER
 BrotherWhitaker@whitaker-contracting.com
 T: (256)298-3905
 F:



OIL CONDITION

Visc @ 40°C	cSt	44.5	44.4	---	---
Acid Number (AN)	mg KOH/g	0.77	0.49	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		7970	5461	---	---
Particles >6µm		2520	917	---	---
Particles >14µm		414	29	---	---
ISO 4406:1999 (c)		20/19/16	20/17/12	---	---
Silicon	ppm	1	<1	---	---
Sodium	ppm	<1	0	---	---
Potassium	ppm	1	0	---	---

Diagnosis

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is a moderate amount of particulates (2 to 100 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



WEAR METALS

Iron	ppm	3	0	---	---
Copper	ppm	7	0	---	---
Lead	ppm	0	0	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	2	0	---	---
Chromium	ppm	<1	0	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	23	14	---	---
Magnesium	ppm	60	62	---	---
Zinc	ppm	343	365	---	---
Phosphorus	ppm	253	258	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Depot: WHIGUN
Unique No: 10963297
Signed: Wes Davis
Report Date: 05 Apr 2024

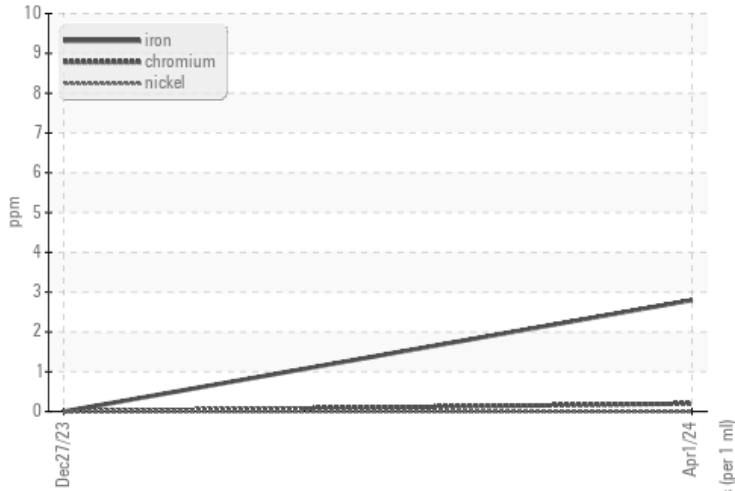


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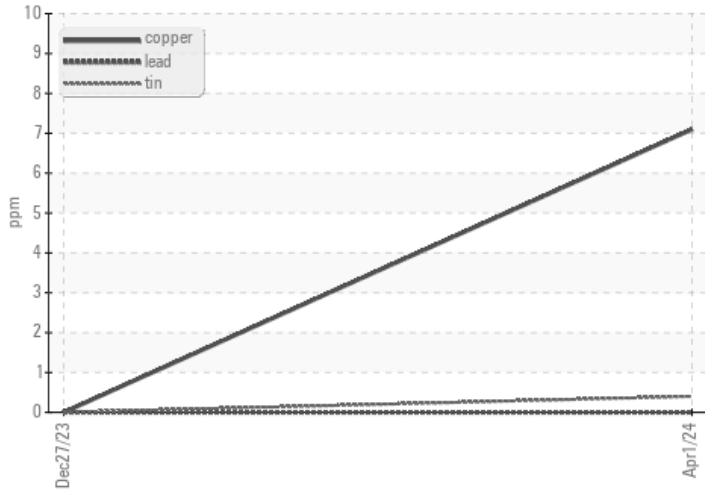


GRAPHS

Ferrous Alloys



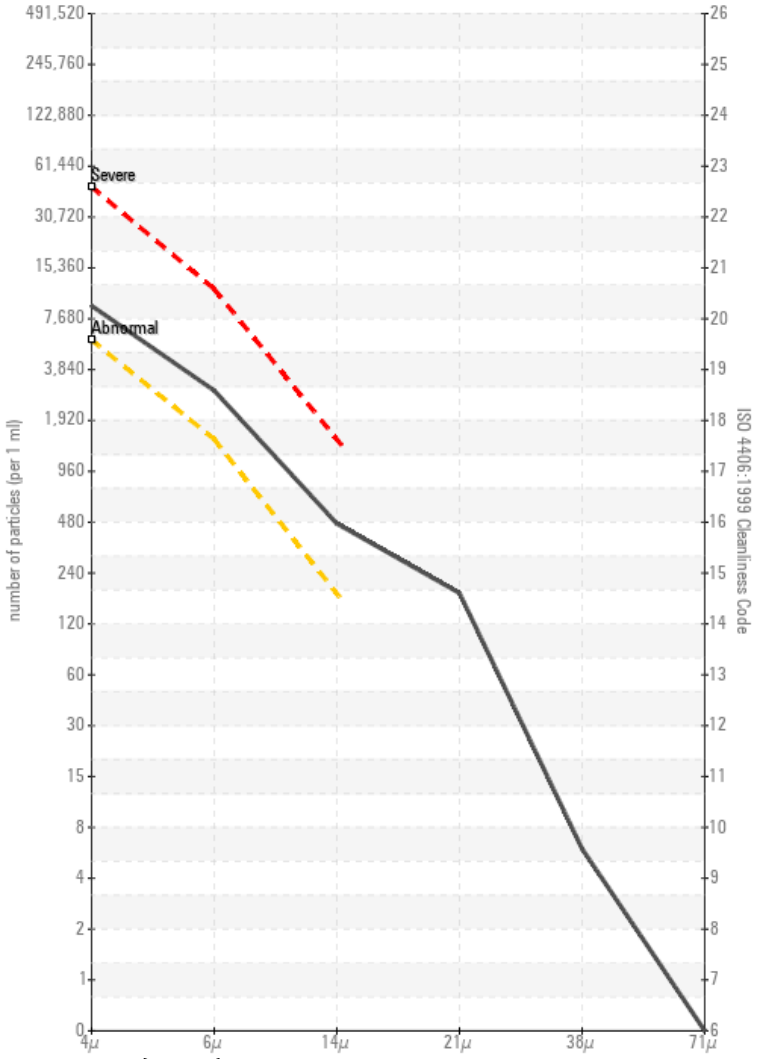
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

