



CONSTRUCTION EQUIPMENT

9535 VOLVO ECR235EL 310385 - HYDRAULIC SYSTEM



Sample No: VCP413816
Oil Type: CHEVRON HYDRAULIC OIL AW ISO 46
Job No: 9535



SAMPLE INFORMATION

Sample Number	VCP413816	VCP274776	---	---
Sample Date	28 Aug 2023	13 Jun 2020	---	---
Machine Hours	4209	2176	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ATTENTION	NORMAL	---	---

DIRT PLUS
 1001 PRINCE GEORGES BLVD
 UPPER MARLBORO, MD
 US 20772
 Contact: MARCO DECESARIS
 mdecesaris@dirtyplus.biz
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	45.2	42.0	---	---
Acid Number (AN)	mg KOH/g	0.53	0.447	---	---



CONTAMINATION

Particles >4µm		▲ 55434	15801	---	---
Particles >6µm		6884	2396	---	---
Particles >14µm		52	137	---	---
ISO 4406:1999 (c)		23/20/13	21/18/14	---	---
Silicon	ppm	3	2	---	---
Sodium	ppm	0	0	---	---
Potassium	ppm	0	<1	---	---

Diagnosis
 The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a light amount of silt (particulates < 14 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	6	4	---	---
Copper	ppm	21	7	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	0	<1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	<1	2	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	95	154	---	---
Magnesium	ppm	10	12	---	---
Zinc	ppm	381	434	---	---
Phosphorus	ppm	337	427	---	---
Barium	ppm	7	<1	---	---
Boron	ppm	0	2	---	---

Depot: DIRUPP
Unique No: 10635135
Signed: Wes Davis
Report Date: 08 Sep 2023

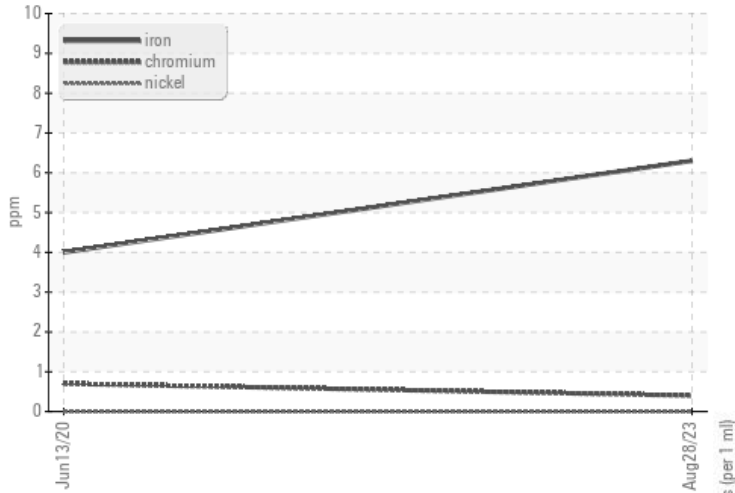


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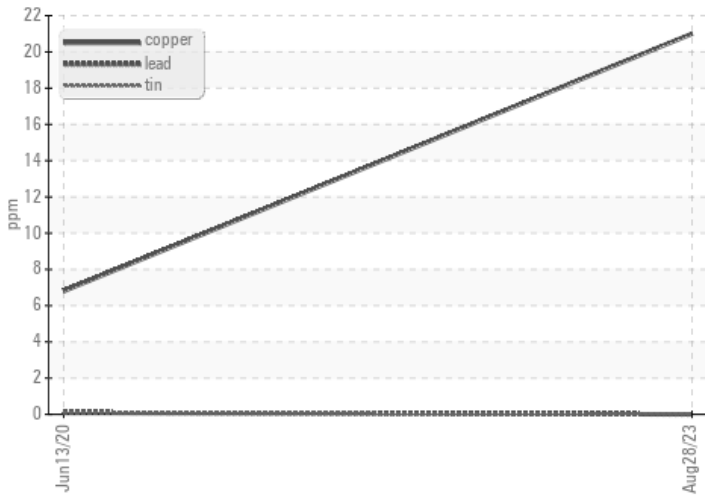


GRAPHS

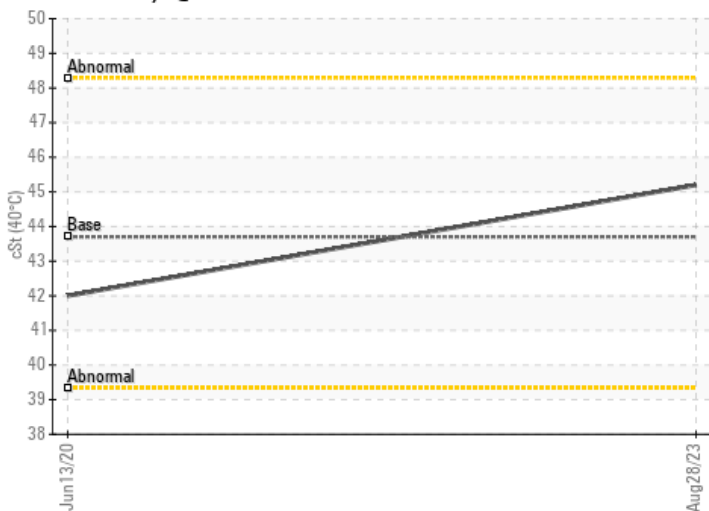
Ferrous Alloys



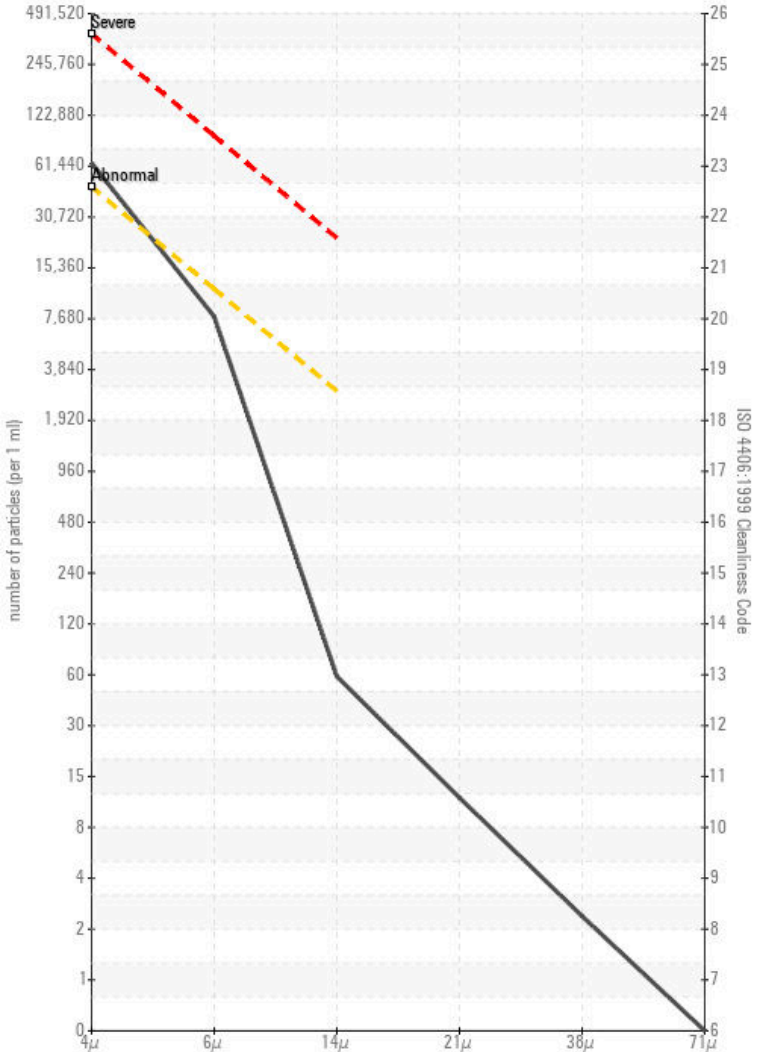
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

