



CONSTRUCTION EQUIPMENT

580049 RYAN GOLF VOLVO EC480EL 314822 - HYDRAULIC SYSTEM



Sample No: VCP425793
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 580049 RYAN GOLF



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SAMPLE INFORMATION

Sample Number	VCP425793	VCP409290	VCP36514	---
Sample Date	17 Jul 2023	11 Feb 2023	05 Nov 2022	---
Machine Hours	2382	1668	1035	---
Oil Hours	2382	1500	1035	---
Oil Changed	Changed	Not Changd	Not Changd	---
Sample Status	NORMAL	NORMAL	ATTENTION	---

OIL CONDITION

Visc @ 40°C	cSt	44.2	41.7	42.1	---
Acid Number (AN)	mg KOH/g	0.52	0.56	0.53	---

CONTAMINATION

Particles >4µm		1905	28003	64629	---
Particles >6µm		427	7768	14133	---
Particles >14µm		30	187	522	---
ISO 4406:1999 (c)		18/16/12	22/20/15	23/21/16	---
Silicon	ppm	9	8	6	---
Sodium	ppm	0	0	<1	---
Potassium	ppm	<1	<1	0	---

WEAR METALS

Iron	ppm	4	3	3	---
Copper	ppm	34	28	22	---
Lead	ppm	1	<1	<1	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	<1	0	1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	<1	0	0	---
Manganese	ppm	0	0	<1	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	55	63	72	---
Magnesium	ppm	0	<1	0	---
Zinc	ppm	477	502	529	---
Phosphorus	ppm	395	388	410	---
Barium	ppm	<1	0	0	---
Boron	ppm	0	0	0	---

Diagnosis

Resample at the next service interval to monitor. 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: VOLVO0093
Unique No: 10566741
Signed: Don Baldrige
Report Date: 26 Jul 2023

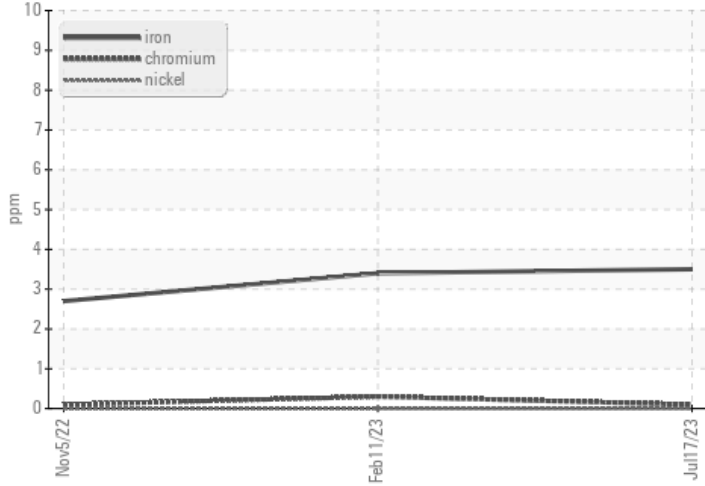


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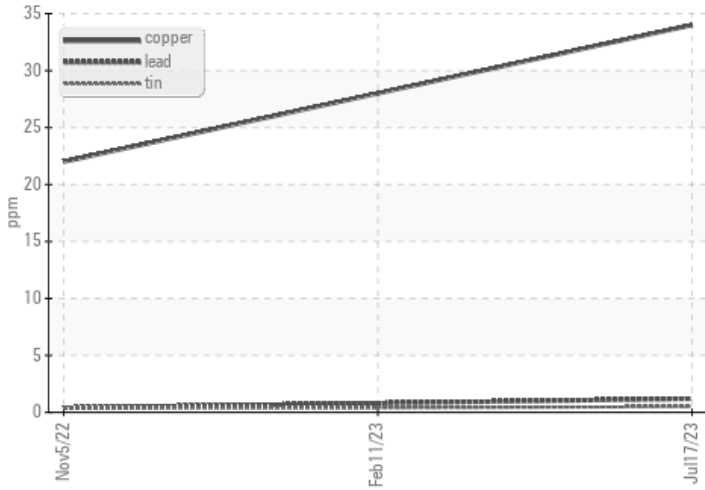


GRAPHS

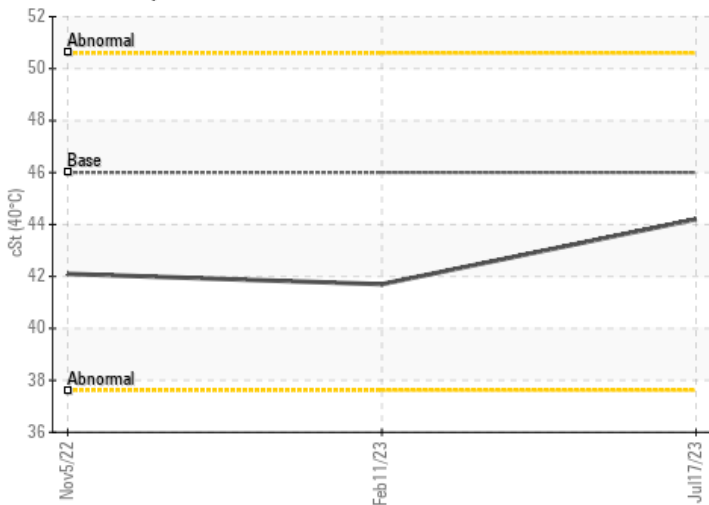
Ferrous Alloys



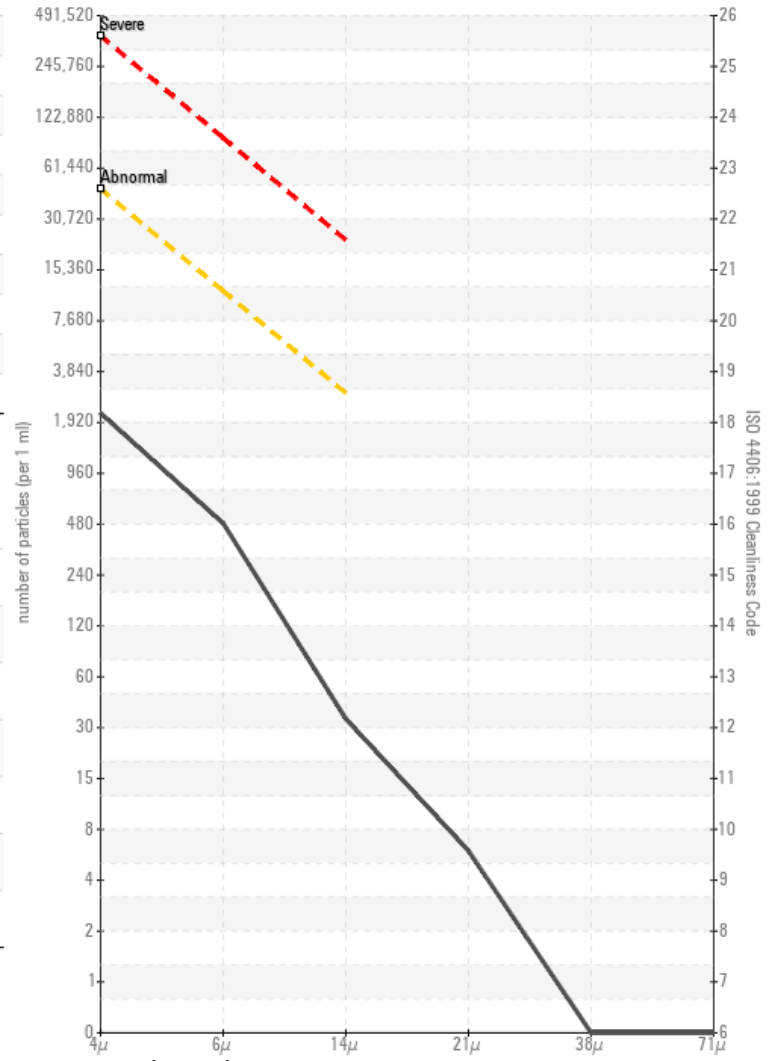
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

