



CONSTRUCTION EQUIPMENT

570616 VOLVO EC350EL 310044 - HYDRAULIC SYSTEM



Sample No: VCP392436
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 570616



SAMPLE INFORMATION

Sample Number	VCP392436	VCP332679	VCP275079	VCP208879
Sample Date	04 Jul 2023	16 Feb 2022	04 May 2021	14 Jun 2018
Machine Hours	6130	4595	3886	1909
Oil Hours	2000	0	0	2000
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

STRONGCO EQUIP (AB)
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OIL CONDITION

Visc @ 40°C	cSt	40.3	41.6	40.3	42.4
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CONTAMINATION

Particles >4µm	5894	7822	3750	5706	
Particles >6µm	1093	591	480	116	
Particles >14µm	40	12	27	8	
ISO 4406:1999 (c)	20/17/12	20/16/11	19/16/12	20/14/10	
Silicon	ppm	5	3	6	2
Sodium	ppm	<1	<1	1	1
Potassium	ppm	<1	<1	1	<1

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 condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	4	4	6	3
Copper	ppm	7	10	17	19
Lead	ppm	<1	<1	1	1
Tin	ppm	0	0	0	0
Aluminum	ppm	1	<1	1	0
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	103	167	292	379
Magnesium	ppm	<1	<1	2	2
Zinc	ppm	472	507	602	736
Phosphorus	ppm	408	420	457	578
Barium	ppm	0	0	<1	0
Boron	ppm	2	3	6	7

Depot: VOLVO9652
Unique No: 5606174
Signed: Wes Davis
Report Date: 12 Jul 2023

VOLVO GRAPHS

