

CONSTRUCTION EQUIPMENT VOLVO L 180H 5035 - HYDRAULIC SYSTEM



Sample No: VCP368528

Oil Type: VOLVO SUPER HYDRAULIC OIL 46

Job No:

Phosphorus

Barium

Boron

VOLVO					
SAMPLE I	NFORMATION				
Sample Number	-	VCP368528	VCP337359	VCP287511	VCP280155
Sample Date		24 Oct 2023	16 Aug 2021	10 Dec 2020	20 Jul 2020
Machine Hours		11898	6535	5139	4264
Oil Hours		0	0	0	0
Oil Changed		Not Changd	Not Changd	Not Changd	Changed
Sample Status		SEVERE	NORMAL	ABNORMAL	ABNORMAL
VOLVO	TION				
OIL COND					
Visc @ 40°C	cSt	46.3	41.5	41.5	■39.3
Acid Number (AN)	mg KOH/g	■ 0.32	□ 0.354	■ 0.353	□ 0.301
VOLVO					
CONTAMI	NATION				
Particles >4µm		47102	4283	<u></u> 4 9678	<u>^</u> 21020
Particles >6µm		16215	970	▲ 3091	<u>^</u> 7425
Particles > 14µm		▲ 1120	3 6	<u>△</u> 237	▲ 432
ISO 4406:1999 (c)		23/21/17	19/17/12	20/19/15	22/20/16
Silicon	ppm	6	3	2	2 2
Sodium	ppm	5	<1	1 2	2
Potassium	ppm	1 5	0	1 0	■ <1
Otassiani	PPIII				
VOLVO					
WEAR ME	TALS				
Iron	ppm	■ 8	5	■3	4
Copper	ppm	■ 3	3	■3	5
Lead	ppm	■<1	1	1	2
Tin	ppm	■<1	0	□0	- <1
Aluminum	ppm	■<1	0	< 1	- <1
Chromium	ppm	2	1	< 1	1
Molybdenum	ppm	■ 5	1	1	0
Nickel	ppm	■0	0	1	0
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	■<1	0	0	- <1
Vanadium	ppm	0	0	0	0
ADDITIVE	۲				
Calcium	_	159	□ 118	m 106	□ 45
Magnesium	ppm	■ 139 ■ 18	10	111	= 45
Zinc	ppm	337	10 1447	1 476	408
ZITIC	ppm	■ 33 <i>1</i>	44/	<u>4</u> /0	<u>4</u> 00

367

0

0



ALTA EQUIPMENT COMPANY

5151 DR MARTIN LUTHER KING BLVD FORT MYERS, FL US 33905 Contact: TODD LARK tlark@altaequipfl.com T·

1:

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Diagnosis

We advise that you check all areas where contaminants can enter the system. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Resample in 30-45 days to monitor this situation.All component wear rates are normal. There is a high 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.

 Depot:
 VOLVO0090

 Unique No:
 10713707

 Signed:
 Wes Davis

 Report Date:
 30 Oct 2023

334

0

ppm

ppm

ppm

244

0

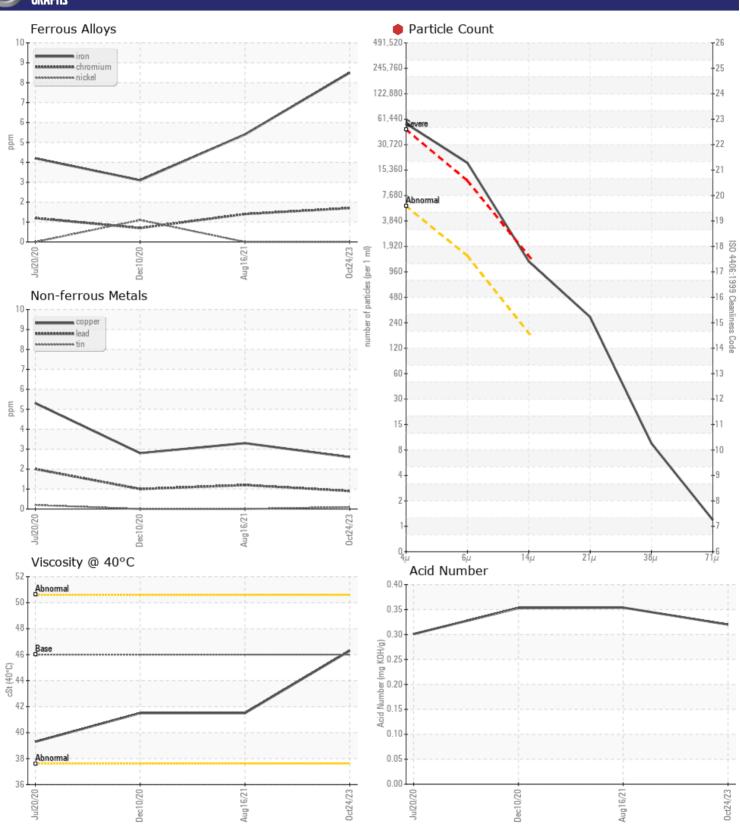


CONSTRUCTION EQUIPMENT





GRAPHS



Report Id: VOLVO0090 [WUSCAR] 05991045 (Generated: 10/30/2023 09:13:56) Rev: 1

Contact/Location: TODD LARK - VOLVO0090