CONSTRUCTION EQUIPMENT SW30008 VOLVO EC950FL 410035 - DIESEL ENGINE



 Sample No:
 VCP440848

 Oil Type:
 MOBIL 15W40

 Job No:
 SW30008

VOLVO

	NFORMATION				
Sample Number		VCP440848	VCP441015		
Sample Date		15 Feb 2024	15 Dec 2023		
Machine Hours		2000	1985		
Oil Hours		500	0		
Oil Changed		Changed	Changed		
Sample Status		NORMAL	NORMAL		
VOLVO					
OIL CONDI	TION				
Visc @ 100°C	cSt	14.5	14.5		
Base Number (BN)		5.1	5.6		
Oxidation (PA)	%	74	76		
	70	/4	70		
VOLVO					
Contamin	NATION				
Water	%	NEG	NEG		
Soot %	%	1.3	1.3		
Nitration (PA)	%	93	92		
Sulfation (PA)	%	68	67		
Glycol	%	NEG	NEG		
Fuel	%	<1.0	<1.0		
Silicon	ppm	11	12		
Sodium	ppm	4	 <1		
Potassium	ppm	3	1		
WEAR ME					
	IVES			_	
Iron	ppm	22	22		
Copper	ppm	1 2	10		
Lead	ppm	2	1		
Tin	ppm	2	1		
Aluminum	ppm	5	5		
Chromium	ppm	2	1		
Molybdenum	ppm	89	93		
Nickel	ppm	6	5		
Titanium	ppm	1	□ <1		
Silver	ppm	0	0		
Manganese	ppm	1	<1		
Vanadium	ppm	<1	0		
VOLVO					
	2				
Calcium	ppm	1933	2303		
Magnesium	ppm	80	98		
Zinc	ppm	1111	1328		
Phosphorus	ppm	872	1106		
Barium	ppm	34			
	12 Pr	- 47	- 22		

23

ARNOLD MACHINERY COMPANY

3330 NORTH YELLOWSTONE HIGHWAY IDAHO FALLS, ID US 83401 Contact: JASON MERRILL jmerrill@arnoldmachinery.com T: (208)523-0822 F: (208)523-9918

Diagnosis

Oil and 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 no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

 Depot:
 VOLVO0077

 Unique No:
 10898172

 Signed:
 Don Baldridge

 Report Date:
 27 Feb 2024

ppm

Boron

17

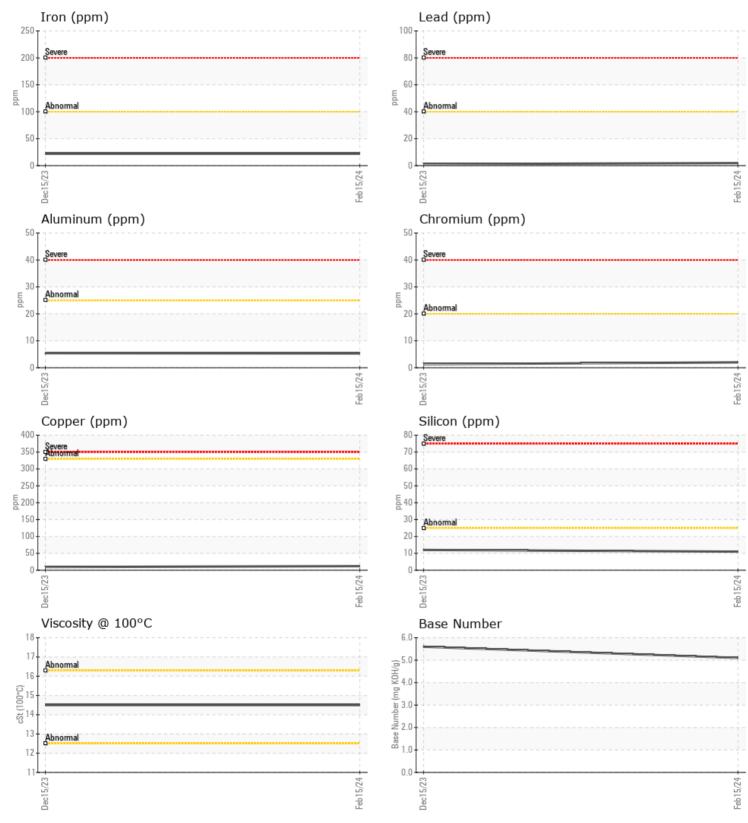
Contact/Location: JASON MERRILL - VOLVO0077

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO0077 [WUSCAR] 06099942 (Generated: 02/27/2024 15:03:39) Rev: 1

Contact/Location: JASON MERRILL - VOLVO0077