

CONSTRUCTION EQUIPMENT

SW-28741-2 IAA VOLVO L90H 627257 - DIESEL ENGINE



Sample No: VCP436516

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No: SW-28741-2 IAA

CONDITION					
Sample Number VCP436516 Sample Date 19 Jan 2024 Sample Hours 475 Sample Hours 475 Sample Status 475 Sample Status ABNORMAL Sample Status	CVMDLEI	JEODMATION			
Sample Date 19 Jan 2024	_	AF UNMATION			_
Machine Hours				 	
Dil Hours	•			 	
Changed Chan				 	
Sample Status				 	
## Oil CONDITION ## Oil CONDI			_	 	
OIL CONDITION	Sample Status		ABNORMAL	 	
OIL CONDITION					
Davidation (PA) Mag (PA) Ma	OIT CONDI.	TION			
Contamination Contaminatio Contamination Contamination Contamination Contamination	Visc @ 100°C	cSt	12.6	 	
CONTAMINATION Water	Base Number (BN)	mg KOH/g	■10.1	 	
CONTAMINATION	Oxidation (PA)	%	70	 	
CONTAMINATION					
Nater % NEG		ATION			
Soot %	_				
Nitration (PA)	Water			 	
Sulfation (PA)			_	 	
Silicon Sili				 	
Silicon			58	 	
Solition	Glycol			 	
Sodium	Fuel	%		 	
Potassium	Silicon	ppm	17	 	
WEAR METALS ron	Sodium	ppm	■ 3	 	
WEAR METALS ron ppm 32 -	Potassium	ppm	2	 	
WEAR METALS ron ppm 32 -					
Copper	WEAR ME	TALS			
Copper	Iron	ppm	■32	 	
Lead ppm 2 -	Copper			 	
Tin ppm	Lead			 	
Aluminum ppm 30	Tin			 	
Chromium ppm 5 Molybdenum ppm 41 Nickel ppm 0 Silver ppm 0	Aluminum			 	
Molybdenum ppm 41 Nickel ppm 0 Fitanium ppm 0 Silver ppm 0 Manganese ppm 0 Vanadium ppm 0 ADDITIVES Calcium ppm 1496 Magnesium ppm 622	Chromium			 	
Nickel ppm 0 Fitanium ppm 0 Silver ppm 0 Manganese ppm 5 Vanadium ppm 0 ADDITIVES Calcium ppm 1496 Magnesium ppm 6622			_ _	 	
Fitanium ppm 0 Silver ppm 0 Manganese ppm 5 Vanadium ppm 0 ADDITIVES Calcium ppm 1496 Magnesium ppm 622	Nickel			 	
Silver ppm 0 Manganese ppm 5	Titanium		_	 	
Manganese ppm 5 Vanadium ppm 0 ADDITIVES Calcium ppm 1496 Magnesium ppm 622	Silver			 	
Vanadium ppm 0 ADDITIVES Calcium ppm 1496 Magnesium ppm 622				 	
ADDITIVES Calcium ppm 1496 Magnesium ppm 622			_		
ADDITIVES Calcium ppm 1496 Magnesium ppm 622			_		
Calcium ppm 1496 Magnesium ppm 622	VOLVO			 	
Magnesium ppm a 622	ADDITIVE:	7			
	Calcium	ppm	1496	 	
	Magnesium	ppm	622	 	
	Zinc		1137	 	



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Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The aluminum level is abnormal. All other metal levels are typical for a new component breaking in. 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 suitable for further service.

Depot:VOLVO8770Unique No:10849251Signed:Don BaldridgeReport Date:30 Jan 2024

ppm

ppm

ppm

988

6

54

Phosphorus

Barium

Boron



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