

CONSTRUCTION EQUIPMENT X58489 VOLVO L120H 633249 - DIESEL ENGINE



Sample No: VCP413371

Oil Type: DIESEL ENGINE OIL SAE 40

Job No: X58489

Barium

Boron

VOLVO	NEODMATION				
	NFORMATION	<u> </u>			_
Sample Number		VCP413371	VCP367480	VCP367214	
Sample Date		28 Aug 2023	02 May 2023	12 Jan 2023	
Machine Hours		1518	955	411	
Oil Hours		0	0	411	
Oil Changed		Changed	Changed	Changed	
Sample Status		NORMAL	NORMAL	NORMAL	
OIL CONDI	TION				
Visc @ 100°C	cSt	13.7	13.4	12.7	
Base Number (BN)		10.3	9.2	9.9	
Oxidation (PA)	%	85	77	72	
	, 0				
CONTAMI	MATION				
CONTAMI	_	·			
Soot %	%	1	□0.6	□ 0.4	
Nitration (PA)	%	72	60	57	
Sulfation (PA)	%	65	58	59	
Glycol	%	NEG	NEG	NEG	
Fuel	%	<1.0	<1.0	<1.0	
Silicon	ppm	6	7	1 5	
Sodium	ppm	■ <1	2	2	
Potassium	ppm	■ <1	1	2	
VOLVO					
WEAR ME	TALS				
Iron	ppm	22	<u>21</u>	□33	
Copper	ppm	3	4	1 0	
Lead	ppm	■<1	0	1 2	
Tin	ppm	2	1	<u></u> 2	
Aluminum	ppm	9	1 9	■81	
Chromium	ppm	= <1	1	4	
Molybdenum	ppm	1 41	1 40	□37	
Nickel	ppm	■<1	0	0	
Titanium	ppm	0	- <1	□ <1	
Silver	ppm	0	0	0	
Manganese	ppm	■ <1	1	1 2	
Vanadium	ppm	0	0	0	
ADDITIVE	S				
Calcium	ppm	1628	1611	1517	
Magnesium	ppm	482	519	□ 569	
Zinc	ppm	1089	1142	1085	
Phosphorus	ppm	907	906	939	
Thosphorus	ppiii	<u> </u>	300	<u> </u>	

0

30

19

46

0

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ppm

ppm



SCOTT EQUIPMENT COMPANY LLC - Saint Rose

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Diagnosis

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 suitable for further service.

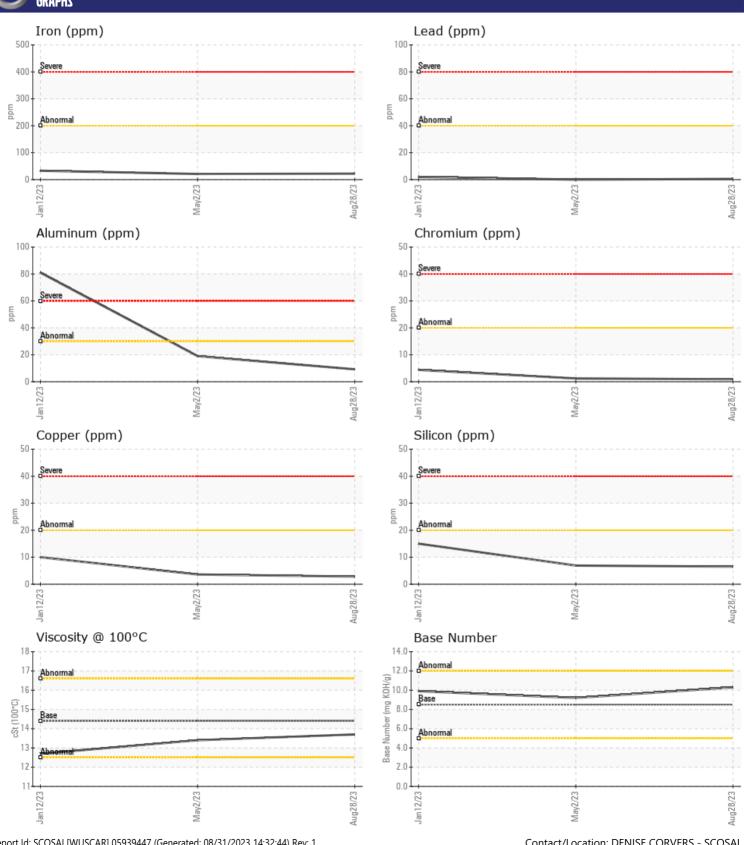
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CONSTRUCTION EQUIPMENT







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Contact/Location: DENISE CORVERS - SCOSAI