CONSTRUCTION EQUIPMENT SW1034049 BLACONES VOLVO ECR235E 315062 - DIESEL ENGINE

Sample No: VCP437207

ZOINZ

Oil Type: DIESEL ENGINE OIL SAE 15W40 Job No: SW1034049 BLACONES



	FORMATION			-	_
Sample Number		VCP437207	VCP441001		
Sample Date		07 May 2024	10 Nov 2023		
Machine Hours		2878	1052		
Oil Hours		0	0		
Oil Changed		Changed	Changed		
Sample Status		ABNORMAL	NORMAL		
OIL CONDI	TION				
Visc @ 100°C	cSt	13.1	13.6		
Base Number (BN)	mg KOH/g	8.1	6.4		
Oxidation (PA)	%	91	60		
VOLVO					
Contamin	ATION	. <u>.</u>		_	
Water	%	NEG	NEG		
Soot %	%	0.4	0.2		
Nitration (PA)	%	63	65		
Sulfation (PA)	%	64	61		
Glycol	%	NEG	NEG		
Fuel	%	<1.0	<1.0		
Silicon	ppm	<u> </u>	14		
Sodium	ppm	2	1		
Potassium	ppm	3	4		
WEAR ME	TALS				
Iron	ppm	22	38		
Copper	ppm	13	11		
Lead	ppm	5	□ <1		
Tin	ppm	4	4		
Aluminum	ppm	13	7		
Chromium	ppm	1	2		
Molybdenum	ppm	54	25		
Nickel	ppm	 <1	8		
Titanium	ppm	■ <1	<1		
Silver	ppm	0	0		
Silver	PPIII				



ARNOLD MACHINERY COMPANY

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Diagnosis

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. 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. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Manganese	ppm	 <1	2						
Vanadium	ppm	<1	0						
Calcium	ppm	1319	2174						
Magnesium	ppm	709	276						
Zinc	ppm	1154	1198						
Phosphorus	ppm	1003	973						
Barium	ppm	2	0						
Boron	ppm	14	59						

Depot: VOLVO6174 Unique No: 11022489 Signed: Sean Felton Report Date: 14 May 2024

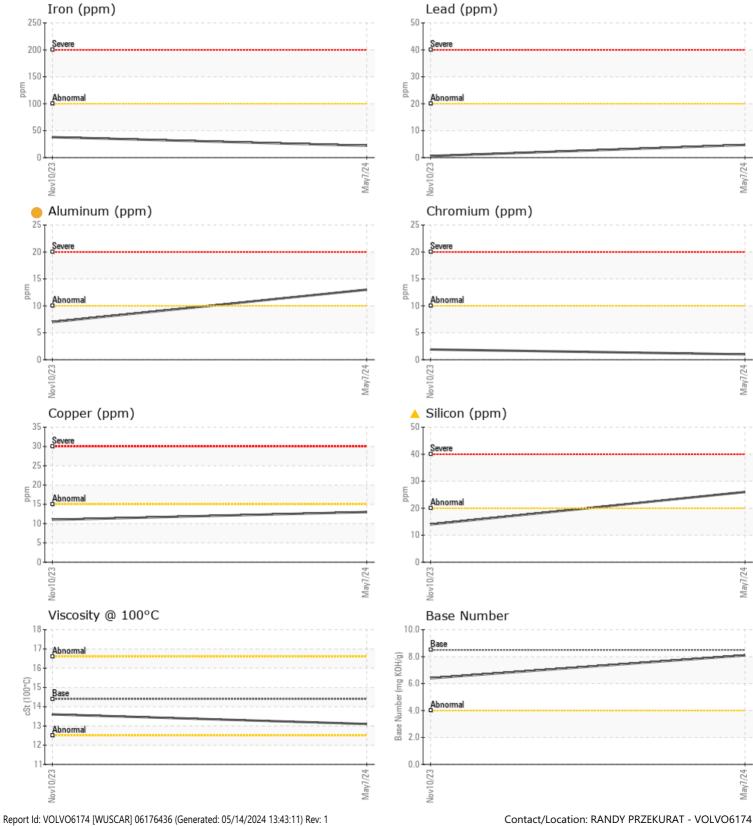
Contact/Location: RANDY PRZEKURAT - VOLVO6174

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Contact/Location: RANDY PRZEKURAT - VOLVO6174