

CONSTRUCTION EQUIPMENT

687187 TORO TX1000N 412549843 - DIESEL ENGINE



Sample No: VCP445313

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

Job No: 687187

VOLVO	NEODMATION				
_	NFORMATION			<u>.</u>	
Sample Number		VCP445313	VCP431343		
Sample Date		11 Mar 2024	18 Sep 2023		
Machine Hours		1015	745		
Oil Hours		500	405		
Oil Changed		Changed	Changed		
Sample Status		NORMAL	NORMAL		
VOLVO					
OIL COND	ITION				
Visc @ 100°C	cSt	13.2	13.1		
Base Number (BN)		7.2	7.3		
Oxidation (PA)	%	57	62		
VOLVO	MATION				
CONTAMI	NATIUN		<u></u>	<u>.</u>	
Water	%	NEG	NEG		
Soot %	%	0.5	□ 0.5		
Nitration (PA)	%	79	80		
Sulfation (PA)	%	53	56		
Glycol	%	NEG	NEG		
Fuel	%	<1.0	<1.0		
Silicon	ppm	11	1 8		
Sodium	ppm	■ 3	2		
Potassium	ppm	2	< 1		
VOLVO					
WEAR MI	TALS				
Iron	ppm	29	1 48		
Copper	ppm	<u>5</u>	6		
Lead	ppm	■<1	- <1		
Tin	ppm	■<1	- <1		
Aluminum	ppm	7	9		
Chromium	ppm	1	2		
Molybdenum	ppm	67	1 71		
Nickel	ppm	■<1	0		
Titanium	ppm	<1	<1		
Silver	ppm	0	0		
Manganese	ppm	■<1	- <1		
Vanadium	ppm	<1	0		
ADDITIVE	7				
_		2220	3100		
Calcium	ppm	2228	2108		
Magnesium	ppm	■ 173 ■ 1105	□ 285 □ 1363		

1262

□982

0



FERROUS PROCESSING AND TRADING

3400 E LAFAYETTE DETROIT, MI US 48207 Contact: KEITH HALL keith.hall@fpt1.com T:

Diagnosis

F:

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.

Depot:FERDETUnique No:10937565Signed:Wes DavisReport Date:21 Mar 2024

Contact/Location: KEITH HALL - FERDET

1195

1014

0

59

ppm

ppm

ppm

Zinc

Barium

Boron

Phosphorus



CONSTRUCTION EQUIPMENT





