



ESPIEITU TAP5333792 ONAN F160968316 - GENSET

Sample No: VPA055685

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

SAMPLE INFORMAT	TION				
Sample Number		VPA055685	VPA039657	VPA023008	
Sample Date		11 Jan 2024	07 Oct 2021	19 Sep 2018	
Machine Hours		1646	721	343	
Oil Hours		1646	0	343	
Oil Changed		Changed	Changed	Changed	
Sample Status		NORMAL	NORMAL	NORMAL	
		HOMMAL	NOTAVIAL	TVOT(IVI) (E	
OIL CONDITION					
Visc @ 100°C	cSt	■13.3	□12.4	■ 12.15	
Base Number (BN)	mg KOH/g	■8.6			
Oxidation (PA)	%	74	63	51	
CONTAMINATION					
Water	%	NEG	NEG	NEG	
Soot %	%	■0.1	■0.2	□ 0.2	
Nitration (PA)	%	76	63	63	
Sulfation (PA)	%	55	54	45	
Glycol	%	NEG	NEG	NEG	
Fuel	%	<1.0	<1.0	<1.0	
Silicon	ppm	■ 6	5	1 5	
Sodium	ppm	4	3	12	
Potassium	ppm	1	= <1	<1 <1	
	le le				
WEAR METALS					
Iron	ppm	16	1 2	■26	
Copper	ppm	■ 3	2	1 2	
Lead	ppm	0	0	0	
Tin	ppm	■<1	0	■0	
Aluminum	ppm	1	2	■ 3	
Chromium	ppm	■<1	- <1	2	
Molybdenum	ppm	■ 51	6 1	■39	
Nickel	ppm	■0	- <1	- <1	
Titanium	ppm	<1	2	2 0	
Silver	ppm	■ 0	0	0	
Manganese	ppm	■<1	□ <1	2	
Vanadium	ppm	<1	0	0	
ADDITIVES					
		=4405	=4466	74663	
Calcium	ppm	1436	■ 1198	1669	
Magnesium 	ppm	717	1013	866	
Zinc	ppm	1352	1211	1142	
Phosphorus	ppm	1128	1060	914	
Barium	ppm	■0	0	■3	
Boron	ppm	24	4	4	

FDDA TAMPA

TAMPA, FL US Contact: KYLE SUTLEY k.sutley@ssss.com T: (813)918-8518 F:

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 acceptable for the time in service.

Depot:VP208641Unique No:10836647Signed:Sean FeltonReport Date:22 Jan 2024

OIL ANALYSIS REPORT



