



KEITH WILLIAMS GB6018 PANDA 2000750 - PORT GENSET

Sample No: VPA053007 **Oil Type:** SHELL 15W40

SAMPLE INFORMAT	TION			
Sample Number		VPA053007	VPA049757	
Sample Date		03 May 2024	14 Dec 2023	
Machine Hours		576	480	
Oil Hours		50	100	
Oil Changed		Changed	Changed	
Sample Status		NORMAL	NORMAL	
OIL CONDITION				
Visc @ 100°C	cSt	13.0	13.1	
Base Number (BN)	mg KOH/g	8.8	7.6	
Oxidation (PA)	%	64	67	
CONTAMINATION				
Water	%	NEG	NEG	
Soot %	%	■ 0.1	0.1	
Nitration (PA)	%	54	57	
Sulfation (PA)	%	53	55	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	<1.0	
Silicon		■ 6	9	
Sodium	ppm	0	<1	
Potassium	ppm	4	<u>5</u>	
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WEAR METALS				
Iron	ppm	4	5	
Copper	ppm	2	0	
Lead	ppm	■ <1	□0	
Tin	ppm	■<1	 <1	
Aluminum	ppm	2	2	
Chromium	ppm	■<1	0	
Molybdenum	ppm	■38	■0	
Nickel	ppm	0	0	
Titanium	ppm	<1	0	
Silver	ppm	■ 0	0	
Manganese	ppm	■<1	0	
Vanadium	ppm	<1	0	
ADDITIVES				
Calcium	ppm	1726	2277	
Magnesium	ppm	■393	39	
Zinc	ppm	1170	■ 1205	
Phosphorus	ppm	1089	1007	
Barium	ppm	2	■ 0	
Boron	ppm	92	159	
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GRAND BANKS

450 SW SALEM RD STUART, FL US 34994 Contact: ROBERT ANTONA roberta@gbmarinegroup.com T: (609)384-5290 F:

Diagnosis

Resample at the next service interval to monitor. 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:VP531377Unique No:11022884Signed:Sean FeltonReport Date:14 May 2024

Contact/Location: ROBERT ANTONA - VP531377





