

OIL ANALYSIS REPORT



RICK GARTON 3729/54-01 TWIN DISC 2375333 - INBOARD - STARBOARD GEARBOX

Sample No: VPA050468
Oil Type: SHELL ROTELLA T 40

SAMPLE INFORMATION

Sample Number	VPA050468	VPA044579	VPA038240	VPA257639
Sample Date	18 Jun 2024	08 Nov 2022	04 Oct 2021	13 May 2021
Machine Hours	587	512	476	455
Oil Hours	0	120	100	0
Oil Changed	Changed	Changed	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

GRAND BANKS
 450 SW SALEM RD
 STUART, FL
 US 34994
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OIL CONDITION

Visc @ 40°C	cSt	105	93.6	126	120
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	6	4	3
Sodium	ppm	4	1	2	<1
Potassium	ppm	1	0	1	<1

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.

WEAR METALS

PQ		20	10	18	15
Iron	ppm	6	6	5	17
Copper	ppm	9	10	6	10
Lead	ppm	1	1	<1	<1
Tin	ppm	0	<1	0	0
Aluminum	ppm	4	3	4	<1
Chromium	ppm	0	<1	0	0
Molybdenum	ppm	76	18	50	59
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	0	0

ADDITIVES

Calcium	ppm	2787	3418	3487	1488
Magnesium	ppm	184	103	84	656
Zinc	ppm	1175	1085	1166	1230
Phosphorus	ppm	1069	959	1031	1097
Barium	ppm	0	0	0	0
Boron	ppm	39	122	434	4

Depot: VP531377
Unique No: 11098628
Signed: Angela Borella
Report Date: 27 Jun 2024

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VOLVO PENTA

GRAPHS

