

OIL ANALYSIS REPORT

VOLVO PENTA

SCOUT 43 J160103296 - GENSET

Sample No: VPA046393
Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION

Sample Number	VPA046393	VPA028758	VPA031334	VPA032565
Sample Date	10 Oct 2023	27 Sep 2022	29 Oct 2021	02 Feb 2021
Machine Hours	759	607	496	454
Oil Hours	153	111	0	0
Oil Changed	N/A	Not Changd	Not Changd	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

The Talaria Company

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OIL CONDITION

Visc @ 100°C	cSt	13.7	12.4	13.7	14.1
Base Number (BN)	mg KOH/g	7.6	8.3	---	---
Oxidation (PA)	%	64	70	64	70

CONTAMINATION

Soot %	%	0.1	0.1	0.1	0.1
Nitration (PA)	%	55	41	50	58
Sulfation (PA)	%	54	55	55	59
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	0.7	<1.0	<1.0
Silicon	ppm	4	5	4	6
Sodium	ppm	3	2	2	3
Potassium	ppm	8	3	6	2

WEAR METALS

Iron	ppm	3	4	4	5
Copper	ppm	2	4	<1	1
Lead	ppm	0	3	<1	0
Tin	ppm	0	1	<1	0
Aluminum	ppm	2	8	2	1
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	0	52	3	3
Nickel	ppm	<1	1	0	<1
Titanium	ppm	0	<1	<1	2
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	1	<1	0

ADDITIVES

Calcium	ppm	2269	2369	2019	2307
Magnesium	ppm	30	49	46	57
Zinc	ppm	1316	1066	1143	1139
Phosphorus	ppm	1059	922	902	1039
Barium	ppm	0	0	0	0
Boron	ppm	174	98	203	164

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: VP592286
Unique No: 10722484
Signed: Sean Felton
Report Date: 01 Nov 2023

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GRAPHS

