

OIL ANALYSIS REPORT

VOLVO PENTA

SCOUT 43 10072 CS700349 - PORT DIESEL ENGINE

Sample No: VPA041365

Oil Type: CAT DIESEL ENGINE OIL 15W40

SAMPLE INFORMATION

Sample Number	VPA041365	VPA028788	VPA031335	VPA032566
Sample Date	10 Oct 2023	22 Sep 2022	29 Oct 2021	02 Feb 2021
Machine Hours	624	510	423	364
Oil Hours	0	85	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	14.5	13.2	15.3
Base Number (BN)	mg KOH/g	9.3	11.7	---	---
Oxidation (PA)	%	43	40	74	61

CONTAMINATION

Soot %	%	0.2	0.2	0.6	1.1
Nitration (PA)	%	58	46	52	65
Sulfation (PA)	%	46	45	61	57
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	4	4	8
Sodium	ppm	5	3	3	3
Potassium	ppm	1	1	0	2

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.

WEAR METALS

Iron	ppm	9	1	7	13
Copper	ppm	10	2	2	4
Lead	ppm	2	2	1	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	15	<1	2	2
Chromium	ppm	1	0	<1	<1
Molybdenum	ppm	10	8	32	4
Nickel	ppm	1	<1	0	1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	1	<1	0

ADDITIVES

Calcium	ppm	1508	1375	1637	2836
Magnesium	ppm	1161	1076	450	334
Zinc	ppm	1361	1161	1127	1396
Phosphorus	ppm	1094	980	892	1294
Barium	ppm	0	0	0	0
Boron	ppm	<1	6	60	4

Depot: VP592286
Unique No: 10722490
Signed: Sean Felton
Report Date: 01 Nov 2023

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GRAPHS

