

OIL ANALYSIS REPORT



MICHAEL BECKER OWNER 51220332756 - INBOARD - STARBOARD GEARBOX

Sample No: VPA062805

Oil Type: CHEVRON AUTOMATIC TRANS FLUID MD-3

SAMPLE INFORMATION

Sample Number	VPA062805	VPA051510	VPA042669	VPA048895
Sample Date	25 Jun 2024	08 Sep 2023	25 Aug 2022	01 Apr 2022
Machine Hours	520	447	333	331
Oil Hours	116	40	0	331
Oil Changed	Changed	Not Changd	N/A	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	ATTENTION

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OIL CONDITION

Visc @ 40°C	cSt	26.6	27.91	26.9	27.9
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	4	2	8
Sodium	ppm	2	1	<1	3
Potassium	ppm	<1	0	0	<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 condition of the oil is acceptable for the time in service.

WEAR METALS

PQ		26	26	10	30
Iron	ppm	27	24	20	79
Copper	ppm	16	10	18	105
Lead	ppm	<1	0	0	5
Tin	ppm	<1	<1	0	3
Aluminum	ppm	<1	0	<1	3
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	2
Vanadium	ppm	0	<1	0	0

ADDITIVES

Calcium	ppm	9	17	9	37
Magnesium	ppm	3	0	7	55
Zinc	ppm	6	0	42	280
Phosphorus	ppm	169	161	165	353
Barium	ppm	0	0	4	3
Boron	ppm	55	66	54	58

Depot: VPMICRED
Unique No: 11115277
Signed: Don Baldrige
Report Date: 11 Jul 2024

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VOLVO PENTA

GRAPHS

