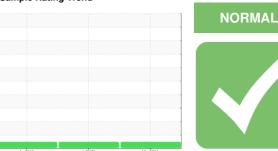


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

VOLVO PENTA 2006040374

Port Diesel Engine

AMSOIL (PCO) SYN HD DIESEL15W40 (---

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil

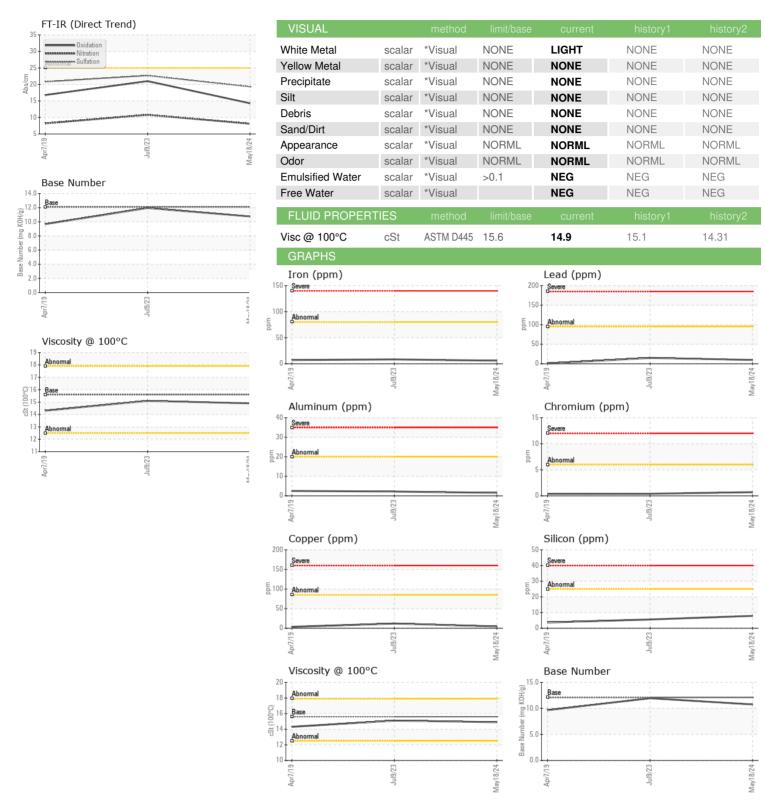
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

GAL)		Ap	2019	Jul2023 May2	024	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0944530	WC0835974	WC0336495
Sample Date		Client Info		18 May 2024	09 Jul 2023	07 Apr 2019
Machine Age	hrs	Client Info		1150	1100	650
Oil Age	hrs	Client Info		50	115	125
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
Nater		WC Method	>0.1	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>80	6	8	7
Chromium	ppm	ASTM D5185m	>6	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	1	2	<1
Γitanium	ppm	ASTM D5185m	>2	<1	0	0
Silver	ppm	ASTM D5185m	>2	1	0	0
Aluminum	ppm	ASTM D5185m	>20	2	2	2
_ead	ppm	ASTM D5185m	>95	10	15	<1
Copper	ppm	ASTM D5185m	>85	4	12	4
Γin	ppm	ASTM D5185m	>9	1	2	<1
Antimony	ppm	ASTM D5185m				0
√anadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	7.2	81	29	4
Barium	ppm	ASTM D5185m	0.0	0	0	0
Molybdenum	ppm	ASTM D5185m	0.0	14	63	60
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	460	741	1055	966
Calcium	ppm	ASTM D5185m	2996	1114	898	1036
Phosphorus	ppm	ASTM D5185m	1076	961	1070	946
Zinc	ppm	ASTM D5185m	1208	1138	1268	1108
Sulfur	ppm	ASTM D5185m	4236	3754	3555	4124
CONTAMINANTS	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	8	6	4
Sodium	ppm	ASTM D5185m		2	0	3
Potassium	ppm	ASTM D5185m	>20	4	1	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0.3	0.2
Nitration	Abs/cm	*ASTM D7624	>20	8.1	10.8	8.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.3	22.7	20.8
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.3	21.0	16.8
Base Number (BN)	mg KOH/g	ASTM D2896	12.1	10.75	11.95	9.67
(=)	99					



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number : 06194233 Unique Number : 11056356

: WC0944530 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 29 May 2024 **Tested** : 30 May 2024

: 31 May 2024 - Angela Borella Diagnosed

To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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