



WALTER LYNCH DHARMA VOLVO PENTA 3940020562 - STARBOARD IPS

Sample No: VPA047930

Oil Type: VOLVO PENTA GL-5 SAE 75W90

CAMPLE INCORNA	TION				
SAMPLE INFORMA	ITIUN				
Sample Number		VPA047930	VPA041918	VPA027152	VPA022527
Sample Date		22 Jun 2023	25 May 2022	10 Mar 2020	07 Jun 2019
Machine Hours		509	460	366	0
Oil Hours		45	120	0	30
Oil Changed		Changed	Changed	N/A	Not Changd
Sample Status		SEVERE	ATTENTION	ABNORMAL	SEVERE
OIL CONDITION					
Visc @ 40°C	cSt	109	1 07	102	99.3
CONTAMINATION					
Water	%	1.58	△ 0.556	△ 0.324	1.50
Silicon	ppm	22	12	39	40
Sodium	ppm	136	■36	3 5	8 7
Potassium	ppm	6	1	2	5
WEAR METALS					
PQ		12	□ 23	2 2	□ 20
Iron	ppm	191	135	^ 204	194
Copper	ppm	16	1 5	1 6	△ 31
Lead	ppm	<1	<1	<1	<1
Tin	ppm	0	<1	0	<1
Aluminum	ppm	3	3	2	3
Chromium	ppm	1	< 1	2	2
Molybdenum	ppm	■ <1	- <1	0	0
Nickel	ppm	2	2	2	■3
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	■ 3	2	4	6
Vanadium	ppm	0	0	0	0
ADDITIVES					
Calcium	ppm	22	□ 9	■8	2 1
Magnesium	ppm	23	1 1	□ 23	80
Zinc	ppm	40	4 9	48	■30
Phosphorus	ppm	1310	1 364	1413	1197
Barium	ppm	■ 0	0	- <1	0

MARINE DIESEL SERVICES INC

1711 WHITTIER AVE, SUITE B
COSTA MESA, CA
US 92627
Contact: BEN ALMAZAN
marinedieselservices@outlook.com
T: (949)612-8180
F: x:

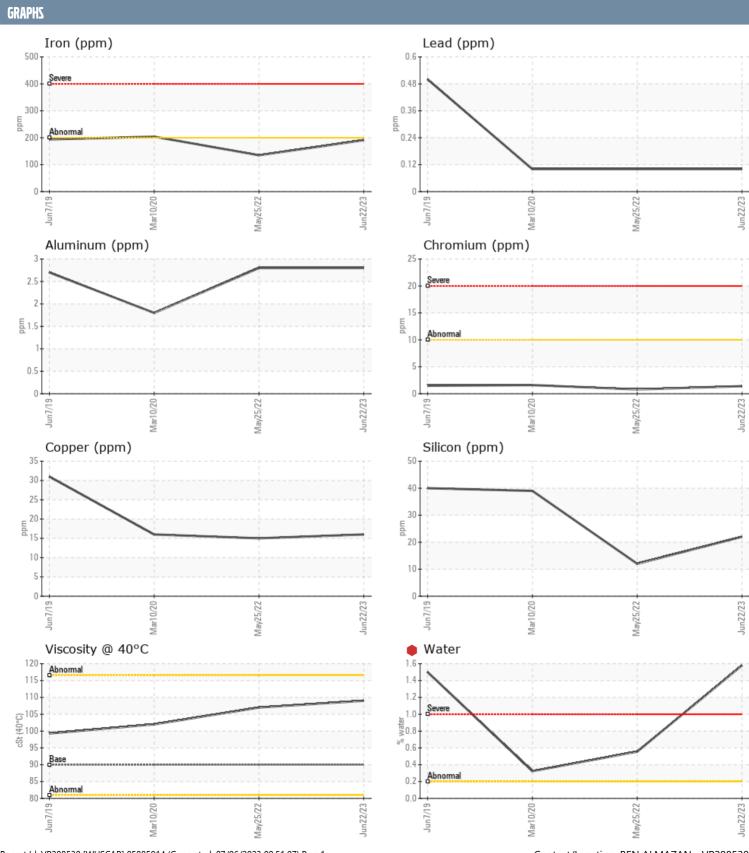
Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. Appearance is milky. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot:VP288530Unique No:10536397Signed:Jonathan HesterReport Date:06 Jul 2023

OIL ANALYSIS REPORT





Report Id: VP288530 [WUSCAR] 05885914 (Generated: 07/06/2023 09:51:07) Rev: 1