OIL ANALYSIS REPORT

LHRKP102K810 507052 VOLV03194008630 - STARBOARD IPS

Sample No: VPA024464

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORM	ATION				
Sample Number		VPA024464	VPA024263	 	
Sample Date		28 Oct 2020	04 Feb 2020	 	Marine Maintenance (7803 McElvey Rd PANAMA CITY BEACH, US 32408
Machine Hours		854	850	 	
Oil Hours		0	50	 	
Oil Changed		Not Changd	Not Changd	 	
Sample Status		NORMAL	ABNORMAL	 	Contact: Jody Kennedy
OIL CONDITION					jody@marinemaint.com T: F:
Visc @ 40°C	cSt	107	107	 	г.
CONTAMINATION					Diagnosis
Water	%	NEG	▲ 0.639	 	Resample at the next s
Silicon	ppm	12	33	 	to monitor.All compone are normal. The water c
Sodium	ppm	17	41	 	negligible. There is no i
Potassium	ppm	 <1	0	 	any contamination in th
WEAR METALS					condition of the oil is a the time in service.
PQ		21	20	 	
Iron	ppm	120	208	 	
Copper	ppm	12	19	 	
Lead	ppm	<1	<1	 	
Tin	ppm	0	0	 	
Aluminum	ppm	4	17	 	
Chromium	ppm	1	2	 	
Molybdenum	ppm	■ <1	0	 	
Nickel	ppm	1	2	 	
Titanium	ppm	<1	<1	 	
Silver	ppm	<1	0	 	
Manganese	ppm	2	3	 	
Vanadium	ppm	0	0	 	_
ADDITIVES					
Calcium	ppm	∎11	13	 	
Magnesium	ppm	3	5	 	
Zinc	ppm	29	38	 	
Phosphorus	ppm	1376	1271	 	
Barium	ppm	0	0	 	
Boron	ppm	289	239	 	



nosis

ple at the next service interval nitor.All component wear rates ormal. The water content is ible. There is no indication of ontamination in the oil. The tion of the oil is acceptable for ne in service.

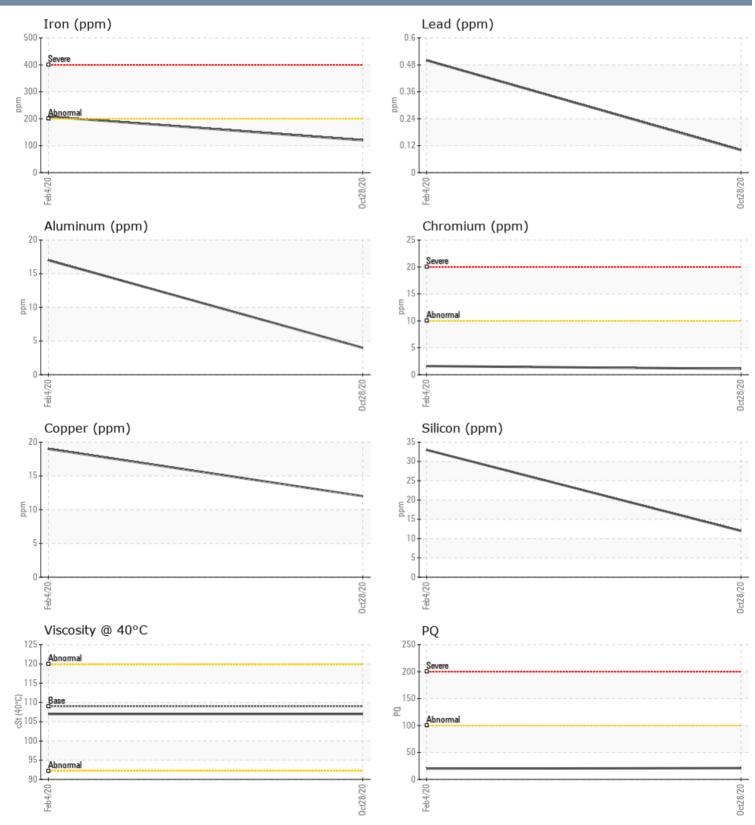
Depot: VP313024 Unique No: 9241343 Signed: Don Baldridge Report Date: 04 Nov 2020 Contact/Location: Jody Kennedy - VP313024

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GRAPHS



Report Id: VP313024 [WUSCAR] 05106084 (Generated: 05/08/2024 14:01:14) Rev: 1

Contact/Location: Jody Kennedy - VP313024