OIL ANALYSIS REPORT

465197 ZF NOT GIVEN VPA056498 - INBOARD - STARBOARD GEARBOX

Sample No: VPA056498

Oil Type: SAE 30W

SAMPLE INFORMATION

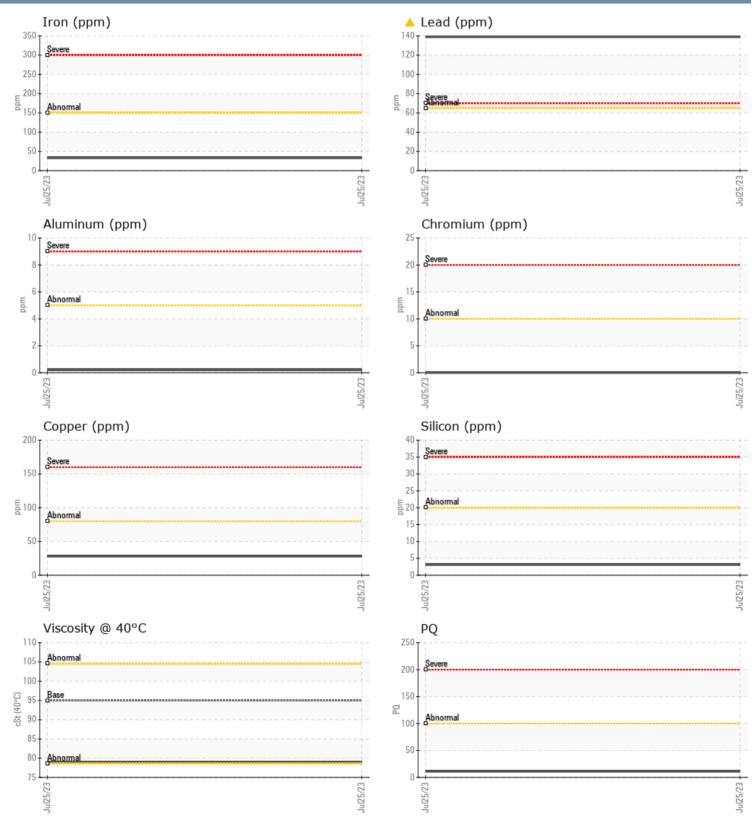
Sample Number VPA056498								
Sample Date		25 Jul 2023				Skipper Bud's		
Machine Hours		969				215 North Point Drive, 215 North Point		
Dil Hours		0				WINTHROP HARBOR, IL		
Oil Changed		Not Changd				US 60096		
Sample Status		ABNORMAL				Contact: Jim Radsek		
	_					jradsek@skipperbuds.com		
OIL CONDITION						T: F:		
Visc @ 40°C	cSt	■ 79.0				- r.		
CONTAMINATIO	N					Diagnosis		
Silicon	ppm	3				Resample at the next service inte		
Sodium	ppm	6				to monitor.Lead ppm levels are abnormal. There is no indication of any contamination in the oil. The		
Potassium	ppm	0						
	I. I.					condition of the oil is acceptable		
WEAR METALS						the time in service.		
PQ		11						
Iron	ppm	33						
Copper	ppm	28						
Lead	ppm	A 139						
Tin	ppm	 <1						
Aluminum	ppm							
Chromium	ppm	0						
Molybdenum	ppm	12						
Nickel	ppm	0						
Titanium	ppm							
Silver	ppm	0						
Manganese	ppm	 <1						
Vanadium	ppm	<1						
ADDITIVES								
Calcium	ppm	1413						
Magnesium	ppm	670						
Zinc	ppm	898						
Phosphorus	ppm	800						
Barium	ppm	0						
Boron	ppm	29						

Contact/Location: Jim Radsek - VP211714

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GRAPHS



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Contact/Location: Jim Radsek - VP211714