OIL ANALYSIS REPORT

SCOTT WINKELMAN 42146 20091625 - STERNDRIVE - STARBOARD GEARBOX

Sample No: VPA044538

Oil Type: SAE 30W

SAMPLE INFORMATION

Sample Number		VPA044538	 	
Sample Date		06 Jul 2023	 	
Machine Hours		3094	 	
Oil Hours		0	 	
Oil Changed		N/A	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 40°C	cSt	88.7	 	
CONTAMINATION				
Silicon	ppm	3	 	
Sodium	ppm	1	 	
Potassium	ppm	0	 	
WEAR METALS				
PQ		23	 	
Iron	ppm	4 5	 	
Copper	ppm	27	 	
Lead	ppm	5	 	
Tin	ppm	1	 	
Aluminum	ppm	3	 	
Chromium	ppm	■ <1	 	
Molybdenum	ppm	68	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm		 	
Vanadium	ppm	0	 	
ADDITIVES				
Calcium	ppm	1626	 	
Magnesium	ppm	344	 	
Zinc	ppm	855	 	
Phosphorus	ppm	747	 	
Barium	ppm	0	 	
Boron	ppm	60	 	

STATE POWER SYSTEMS

VOLVO Penta

78TH ST APOLIS, MN 425 t: BRADY GARBRECHT arbrecht@istate.com

nosis

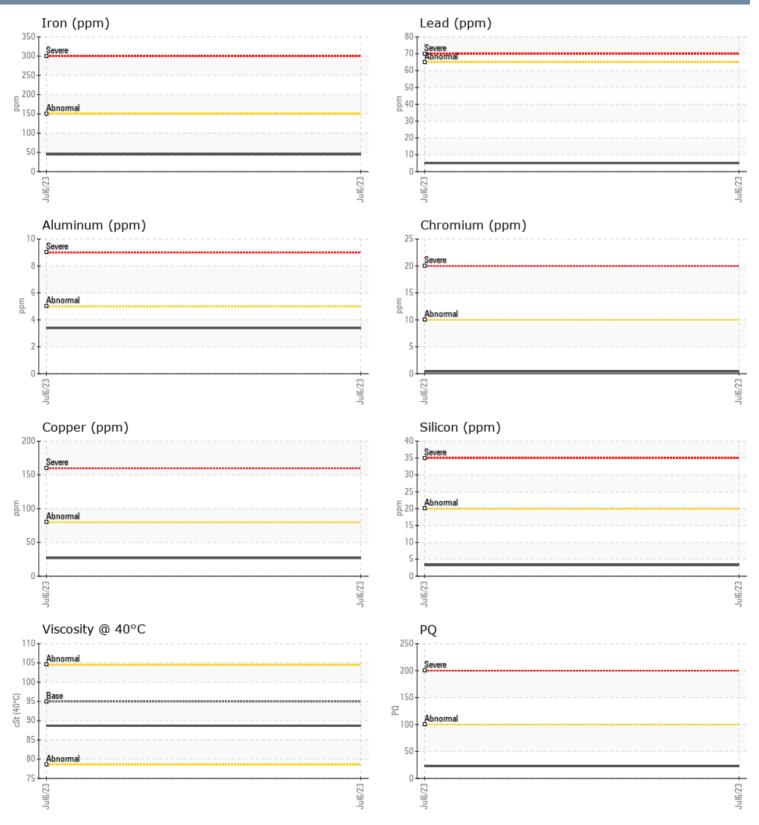
ple at the next service interval nitor.All component wear rates rmal. There is no indication of ntamination in the oil. The ion of the oil is acceptable for ne in service.

Depot:	VP1103105		
Unique No:	10551132		
Signed:	Sean Felton		
Report Date:	12 Jul 2023		

OIL ANALYSIS REPORT



GRAPHS



Contact/Location: BRADY GARBRECHT - VP1103105