



PERRY 590-108 JAY CUMMINS 0M980454 - ZEUS POD - PORT GEARBOX

Sample No: VPA057462
Oil Type: {unknown}

Sample Number VPA057462	SAMPLE INFORMA	\TION				
Sample Date 22 Nov 2023			VPA057462			
Machine Hours 160	•					
Oil Hours 0	•					
Oil Changed Sample Status N/A						
Sample Status ATTENTION						
OIL CONDITION						
Visc @ 40°C cSt 155 <th c<="" td=""><td>Sample Status</td><td></td><td>ATTENTION</td><td> </td><td></td></th>	<td>Sample Status</td> <td></td> <td>ATTENTION</td> <td> </td> <td></td>	Sample Status		ATTENTION	 	
CONTAMINATION	OIL CONDITION					
Water % NEG Soliticon ppm ■ 1	Visc @ 40°C	cSt	155	 		
Water % NEG Soliticon ppm ■ 1	CONTAMINATION					
Silicon ppm 1 <t< td=""><td></td><td>%</td><td>NEG</td><td> </td><td></td></t<>		%	NEG	 		
Sodium ppm Potassium ppm 0 WEAR METALS PQ 17 Iron ppm 157 Copper ppm 13 <						
Potassium ppm ■ 0 WEAR METALS PQ ■ 17 Iron ppm ▲ 157 Copper ppm ■ 13 Lead ppm ■ 0 Aluminum ppm ■ 0 Chromium ppm ■ 1 Molybdenum ppm 39 Nickel ppm ■ 2 Silver ppm 0 Manganese ppm 2 ADDITIVES Calcium ppm 0			_			
WEAR METALS PQ 17 -			_	 		
Iron ppm ▲ 157 Copper ppm 0 Tin ppm 0 Aluminum ppm 0 Chromium ppm 1 Molybdenum ppm 39 Nickel ppm 2 Silver ppm 0 Manganese ppm 2 Vanadium ppm <1	WEAR METALS					
Copper ppm 13 </td <td>PQ</td> <td></td> <td>17</td> <td> </td> <td></td>	PQ		17	 		
Lead ppm 0 Tin ppm 0 Aluminum ppm <1	Iron	ppm	▲ 157	 		
Tin ppm 0 Aluminum ppm 1	Copper	ppm	13	 		
Aluminum ppm	Lead	ppm	■ 0	 		
Chromium ppm 1 Molybdenum ppm 39 Nickel ppm 2 Titanium ppm 0 Silver ppm 0 Manganese ppm 2 Vanadium ppm <1	Tin	ppm	0	 		
Molybdenum ppm 39 Nickel ppm 0 Titanium ppm 0 Silver ppm 0 Manganese ppm 2 Vanadium ppm <1	Aluminum	ppm	■<1	 		
Nickel ppm 2 Titanium ppm 0 Silver ppm 0 Manganese ppm 2 Vanadium ppm <1	Chromium	ppm	1	 		
Titanium ppm 0 Silver ppm 0 Manganese ppm 2 Vanadium ppm <1	Molybdenum	ppm	39	 		
Silver ppm 0 Manganese ppm 2 ADDITIVES Calcium ppm 0 Magnesium ppm 0 Zinc ppm 0 Phosphorus ppm 230 Barium ppm 0	Nickel	ppm	■2	 		
Manganese ppm 2	Titanium	ppm	0	 		
Vanadium ppm <1 ADDITIVES Calcium ppm 0 Magnesium ppm 0 Zinc ppm 0 Phosphorus ppm 230 Barium ppm 0	Silver	ppm	0	 		
ADDITIVES Calcium ppm 0 Magnesium ppm 0 Zinc ppm 0 Phosphorus ppm 230 Barium ppm 0	Manganese	ppm	2	 		
Calcium ppm 0 Magnesium ppm 0 Zinc ppm 0 Phosphorus ppm 230 Barium ppm 0	Vanadium	ppm	<1	 		
Magnesium ppm 0 Zinc ppm 0 Phosphorus ppm 230 Barium ppm 0	ADDITIVES					
Magnesium ppm 0	Calcium	ppm	0	 		
Zinc ppm 0 Phosphorus ppm 230 Barium ppm 0	Magnesium		0	 		
Phosphorus ppm 230 Barium ppm 0	3		0	 		
Barium ppm 0	Phosphorus		230	 		
	•		0	 		
	Boron	ppm	0	 		

Outstanding Marine

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Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot:VP153685Unique No:10816457Signed:Doug BogartReport Date:04 Jan 2024

OIL ANALYSIS REPORT



