

System:	UNKNOWN SYSTEM	Customer:	NV REM B HYDRAULICS
Sump Capacity:	40 L		0477660165
Lubricant:	PETRONAS GEAR MEP ISO 220	Address:	Rouwbergskens 5
Labocodenbr:	104316-TM.9		B- 2340 BEERSE
Samplenummer:	26.04.24 O003	Your customer:	D16 RED
Labelnummer:	210000800599	Your ref.:	R24P0894
Date sample drawn:	22.04.2024		
Sampling:	by client		

Diagnostic



Oil



Pollution



Wear



The analysed oil does not correspond with the given oil make and type. The viscosity does not correspond with the given ISO-vg class. Wear elements within tolerance.

Action

Results: 26.04.24 O003

Method*	Unit	Current sample	
Analysis date		26/04/2024	
Date of receipt		26/04/2024	
Sample date		22/04/2024	
H/Km Oil		?	
H/Km total		?	
Top up		?	

Oil Condition:

Viscosity at 40°C	ASTM D7279	cSt	45.8
Viscosity at 100°C	ASTM D7279	cSt	7.2
Viscosity-index	ASTM D2270		118
Fuel dilution	ASTM D7593	%	
AN	ASTM D8045	mg KOH/g	0.26
BN	ASTM D2896B	mg KOH/g	
Oxidation	ASTM E2412	Abs/0.1mm	5.2
Nitration	ASTM E2412	Abs/0.1mm	1.8
PMCC	ASTM D93	°C	
COC	ASTM D92B	°C	
Color	ASTM D1500		

Additives:

Ba: Barium	ASTM D5185	ppm	< 1
Ca: Calcium	ASTM D5185	ppm	17
Mg: Magnesium	ASTM D5185	ppm	< 1
P: Phosphorus	ASTM D5185	ppm	42
S: Sulfur	ASTM D5185	%	0.01
Zn: Zink	ASTM D5185	ppm	50

Pollution:

Si: Silicon	ASTM D5185	ppm	1
B: Boron	ASTM D5185	ppm	< 1
Na: Sodium	ASTM D5185	ppm	< 1
Water	WI-0002	%	
Water (KF)	ASTM D6304C	ppm	36
Soot content	ASTM E2412	%	
Antifreeze	ASTM D2982A		
PC ISO grade	ASTM D7647		
PC Cleanliness class	ASTM D7647		
Insolubles	ASTM D4898	mg/l	

Wear metals:

Al: Aluminium	ASTM D5185	ppm	< 1
Cr: Chromium	ASTM D5185	ppm	< 1
Cu: Copper	ASTM D5185	ppm	5
Fe: Iron	ASTM D5185	ppm	16
Mo: Molybdenum	ASTM D5185	ppm	< 1
Pb: Lead	ASTM D5185	ppm	< 1
Sn: Tin	ASTM D5185	ppm	< 1
PQ index	WI-0021		

These conclusions are based on the tested supplied samples and information where the representativeness and validity cannot be guaranteed. Opinions and interpretation are outside the scope of accreditation. The measurement uncertainty is available on request. Samples are destroyed 2 months after receipt. The report may only be reproduced complete. Distribution on the responsibility of the client. *Methods are modified according to specified method. (A)Accreditation. (U)Outsourced.