

System: UNKNOWN SYSTEM  
 Sump Capacity (k): ?  
 Lubricant (k): ?  
 Labocodenbr: 110111-et.9  
 Samplenummer: 30.05.24 F003  
 Labelnummer: 209000800232  
 Date sample drawn (k): 28.05.2024  
 Sampling: by client

Customer (k): BV ANDEROL  
 Dhr.JOOST VANNOORLOOS  
 Address (k): GROOT EGTEENRAYSEWEG 23

NL-5928 PA VENLO

Your customer (k): 103489455

Your ref. (k):

## Diagnostic



Oil



Pollution



Wear



Extra



Viscosity non considered, oil in use not given. Wear elements within tolerance. The particle pollution level is normal, indicating an appropriate filtration. The diagnose is incomplete while the make and type of the oil are not known.

Normal

Results:	Method*	Unit	Current sample	30.05.24 F003
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Analysis date			30/05/2024	
Date of receipt			30/05/2024	
Sample date (k)			28/05/2024	
H/Km Oil (k)			?	
H/Km total (k)			?	
Top up (k)			?	

## Oil Condition:

Viscosity at 40°C	ASTM D7279	cSt	92.0	
Viscosity at 100°C	ASTM D7279	cSt	12.8	
Viscosity-index	ASTM D2270		137	
Fuel dilution	ASTM D7593	%		
AN	ASTM D8045	mg KOH/g	0.26	
BN	ASTM D2896B	mg KOH/g		
Oxidation	ASTM E2412 (A)	Abs/0.1mm	24.0	
Nitration	ASTM E2412	Abs/0.1mm	3.1	
PMCC	ASTM D93	°C		
COC	ASTM D92B	°C		
Color	ASTM D1500			

## Additives:

Ba: Barium	ASTM D5185	ppm	< 1	
Ca: Calcium	ASTM D5185 (A)	ppm	< 5	
Mg: Magnesium	ASTM D5185 (A)	ppm	< 5	
P: Phosphorus	ASTM D5185 (A)	ppm	49	
S: Sulfur	ASTM D5185	%	0.00	
Zn: Zink	ASTM D5185 (A)	ppm	< 5	

## Pollution:

Si: Silicon	ASTM D5185 (A)	ppm	< 10	
B: Boron	ASTM D5185	ppm	< 1	
Na: Sodium	ASTM D5185 (A)	ppm	< 5	
Water	WI-0002	%		
Water (KF)	ASTM D6304C	ppm	7	
Soot content	ASTM E2412 (A)	%		
Antifreeze	ASTM D2982A			
PC ISO grade	ASTM D7647 (A)		16/14/10	
PC Cleanliness class	ASTM D7647 (A)		8 F	
Insolubles	ASTM D4898	mg/l		

## Wear metals:

Al: Aluminium	ASTM D5185 (A)	ppm	< 5	
Cr: Chromium	ASTM D5185 (A)	ppm	< 5	
Cu: Copper	ASTM D5185 (A)	ppm	< 5	
Fe: Iron	ASTM D5185 (A)	ppm	< 5	
Mo: Molybdenum	ASTM D5185 (A)	ppm	< 5	
Pb: Lead	ASTM D5185 (A)	ppm	< 5	
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. (k) Received info from customer.

Batch: 2416301 - p.1 / 3

Diagnosis: ANW

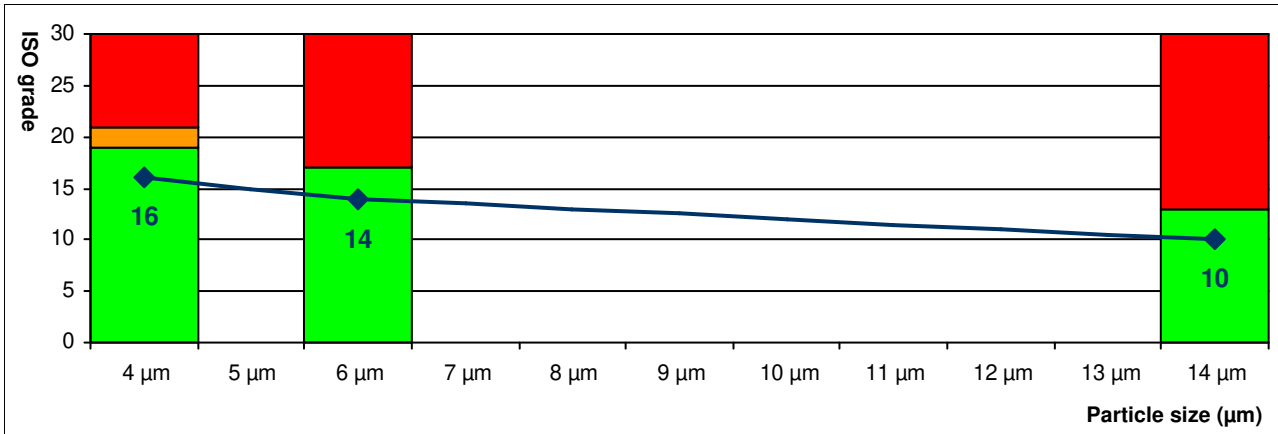
Date of issue: 11/06/2024

AN02 ANDEROL.

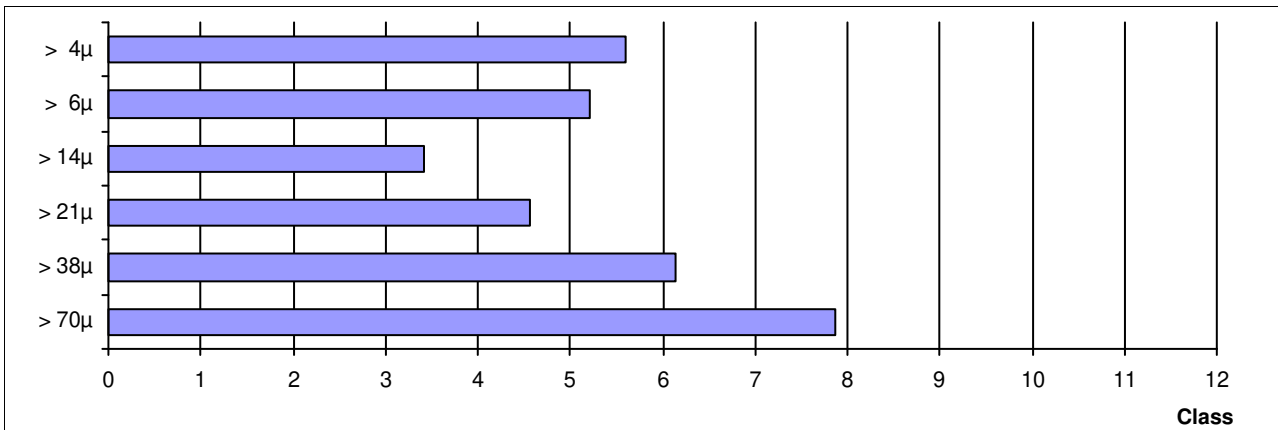
Extra tests:			Current sample	30.05.24 F003
Breakdown voltage	IEC 60156	kV		
Pour point	ASTM D97	°C		
RPVOT	ASTM D2272A	minits		
Ruler: Amine	ASTM D6971	RUL%		
Ruler: Phenols	ASTM D6971	RUL%		
MPC	ASTM D7843			
Air release	ASTM D3427 (U)	minutes		
Demulsibility	ASTM D1401 (U)	at 54.4°C		
Asphaltenes	ASTM D5660 (U)	%		
Carbon conradson	ASTM D4530 (U)	m%		
Sulphated ash content	ASTM D874	m%		
Foam test	Seq 1: 24°C, 5/10m	ml	0/0	
	Seq 2: 93.5°C, 5/10	ml	0/0	
	Seq 3: 24°C, 5/10m	ml	0/0	
pH	WI-0016			

<b>ISO score (A)</b>	<b>16 / 14 / 10</b>
<b>AS4059 class (A)</b>	<b>8 F</b>

ISO score (A) (4406:2021)	Particles / 100ml	Score
> 4µ (A)	39810	16
> 6µ (A)	11850	14
> 14µ (A)	610	10
> 21µ (A)	240	
> 38µ (A)	120	
> 70µ (A)	60	



AS4059 class (A)	Particles / 100ml	Class
A: > 4µ (A)	39810	A6
B: > 6µ (A)	11850	B6
C: > 14µ (A)	610	C4
D: > 21µ (A)	240	D5
E: > 38µ (A)	120	E7
F: > 70µ (A)	60	F8



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