

14-NOV-2023

TO:Idemitsu Lube Middle East & Africa FZE

CERTIFICATE OF ANALYSIS

Product Name	IFG5 5W-30 SP/GF-6A (dexos1 Gen2 quality level) 1Lx24		
Lot No.	39LTP162X2	Judgment	
Date	02-OCT-2023		
Quantity			

Test Item	Test Methods	Condition	Unit	Frq	Specification(Min) (Max)	Test Result	Last Lot No. Last Date
Kinematic Viscosity 40°C	ASTM D445	40°C	mm ² /s	EL	- -	64.240	
Kinematic Viscosity 100°C	ASTM D445	100°C	mm ² /s	EL	10.830 12.500	11.140	
Viscosity Index	ASTM D2270	-	-	EL	130 -	167	
CCS Viscosity -30°C	ASTM D5293	-30°C	mPa.s	EL	- 6,600	3,919	
Acid Number (Potentiometric)	ASTM D664	-	mgKOH/g	EL	- -	1.52	
Base Number (HClO ₄)	ASTM D2896	-	mgKOH/g	EL	6.00 -	9.48	
Density 15°C	ASTM D4052	15°C	g/cm ³	EL	- -	0.8503	
Flash Point (C.O.C)	ASTM D92	-	°C	EL	200 -	241	
Pour Point	ASTM D97	-	°C	EL	- -35.0	-36.0	
Foaming Seq.II 93.5°C	ASTM D892	93.5°C	-	EL	- -	0-0	
Color (Appearance)	SIS K319	-	-	EL	- -	L. Brown	

Remarks

Symbol of frequency : EL=Every lot, EM=Every month, 3M=Every 3 month, 6M=Every 6 month, EY=Every year, "-"=Standard none

* : The Latest result.

The above are true and accurate.

This is computer generated document, no signature is required.

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Shape (RT)	SIS K319	-	-	EL	-	Clear L	
Color (ASTM)	ASTM D1500	-	-	EL	-	2.5	
Water (Karl Fischer) (ppm)	ASTM D6304	-	ppm	EL	- 300	107	
Phosphorus (ppm) ZD4951	ASTM D4951	-	ppm	EL	650 840	706	
Calcium (ppm)	ASTM D4951	-	ppm	EL	1,250 1,600	1,340	
Magnesium (ppm)	ASTM D4951	-	ppm	EL	400 600	586	
Molybdenum (ppm)	ASTM D4951	-	ppm	EL	100 250	187	
Zinc (ppm)	ASTM D4951	-	ppm	EL	700 1,000	874	
Infra-Red Spectroscopy	INFRA-RED	-	-	EL	- -	Normal	

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